

Internship Availability – 2016

Apple, Inc
Cupertino, California

Number of Positions: 1

Type of Student: graduate or PhD

Deadline for Applying: Position now filled

iAd Data Analyst Intern

Apple is looking for talented and enthusiastic statistics, mathematics and computer science students to work with its advertising operations team to solve complex large data problems this summer. We are looking for interns who possess a passion for working with data, enjoy a fast-paced and exciting work environment who want to have a real impact on the iAd business.

Some responsibilities include:

- From your first day you will work with the Ad Operations, Product and Engineering teams to define, analyze and ultimately develop a unique solution to a pressing business issue.
- Leveraging a blend of statistics, mathematics, business analysis and your past expertise to solve complex and impactful business problems.

Qualifications

Working towards a degree in computer science, statistics, mathematics, engineering, or equivalent.

- Demonstrated ability in working with and analyzing data sets
- Ability to define a problem, know your audience and develop a specific solution
- Strong communication and presentation skills
- Excellent written communication skills
- Strong abilities in querying, scripting and statistical languages
- Knowledge of auction mechanisms and theory
- Candidates should be self-starters and responsive to direction at the same time
- Strong conceptual and strategic thinking skills with impeccable attention to detail

Apple is an Equal Employment Opportunity Employer that is committed to inclusion and diversity. We also take affirmative action to offer employment and advancement opportunities to all applicants, including minorities, women, protected veterans, and individuals with disabilities.

Contact: Alejandra Delgado, 1 Infinite Loop, MS 105-CE, Cupertino, CA 95014; (415) 794-9908; university_applicants@apple.com

Boehringer Ingelheim

Ridgefield, Connecticut

Number of Positions: Up to 5

Type of Student: M.S. or Ph.D. in biostatistics, statistics, or a related degree program

Deadline for Applying: March 1, 2016

Boehringer Ingelheim seeks several summer biostatistics interns available in May/June for 12 weeks. Interns will build understanding of the pharmaceutical industry by supporting clinical trial/project teams

under the guidance of experienced statisticians. This includes implementation of statistical analyses of clinical trial data/document writing/quality control/literature review. Candidates should be graduate students within an M.S. or Ph.D. program in biostatistics, statistics, or a related degree with at least two years of study and have excellent communication/problem solving skills. Interested applicants may follow this direct link

https://boehringer.taleo.net/careersection/2/jobdetail.ftl?job=156541&lang=en&sns_id=mailto or visit www.boehringer-ingenelheim.com, click "careers", and then search for job number 156541 to apply.

The Boehringer Ingelheim group is one of the world's 20 leading pharmaceutical companies. Headquartered in Ingelheim, Germany, it operates globally with 142 affiliates and more than 47,400 employees. Since it was founded in 1885, the family-owned company has been committed to researching, developing, manufacturing and marketing novel medications of high therapeutic value for human and veterinary medicine. Social responsibility is a central element of Boehringer Ingelheim's culture. Involvement in social projects, caring for employees and their families, and providing equal opportunities for all employees form the foundation of the global operations. Mutual cooperation and respect, as well as environmental protection and sustainability are intrinsic factors in all of Boehringer Ingelheim's endeavors.

Contact: Xiaofei Bai, Boehringer Ingelheim Pharmaceuticals, Inc., 900 Ridgebury Road, Ridgefield, CT 06877; (203) 798-4089; (203) 798-4282 (fax); xiaofei.bai@boehringer-ingenelheim.com

CNA

Chicago, Illinois

Number of Positions: 6

Type of student: Graduate

Deadline for Applying : We consider students as they apply

CNA's predictive analytics team is seeking individuals who possess intellectual curiosity and a drive to learn, the ability to communicate technical concepts to a non-technical audience and are innovative and analytical thinkers. We use statistical models to understand the risks our customers face. Members of the team work with large data sets to conduct analyses, build multivariate models with various statistical techniques, and collaborate with their business partners in Actuarial, Underwriting, and Claim to provide them with information that helps price products and drive strategic decision making.

To apply:

1. Go to www.cna.com/careers
2. Click "Apply Now" on the bottom left side of the page
3. Search for job number ACT0000D3.

Contact: Joel Atkins, Predictive Analytics, CNA; 333 S. Wabash Avenue 36th Floor, Chicago, IL 60604; (312) 822-1557; joel.atkins@cna.com

Dow AgroSciences

Indianapolis, Indiana

Number of Positions: 1

Type of Student: MS or PhD

Deadline for Applying: Submissions will be accepted until a suitable candidate is found

The intern will be mentored by members of the Business Analytics team to analyze large amounts of complex data to identify key business opportunities. The skills required include strong leadership skills and initiative, strong problem solving skills, programming skills in statistical software (SAS, R, MATLAB, etc.), data management skills, data visualization skills, strong written and oral communication, and strong familiarity with statistical data analysis and modeling techniques.

Other Relevant Information:

The interns should be pursuing a Masters or Ph.D. degree in Statistics, Analytics, Econometrics, Mathematics, or a closely related field. The student must have completed at least 1 year of graduate level classes in the major program area.

Applications are accepted at: <https://dow.taleo.net/careersection/10060/jobdetail.ftl?job=1505319>

Contact: J.D. Williams, 9330 Zionsville Road, Indianapolis, IN 46268; (317) 337-5083;
jdwilliams1@dow.com

Dow AgroSciences, Statistics and Mathematics Group

Indianapolis, Indiana

Number of Positions: 1

Type of Student: Graduate

Deadline for Applying: October 15, 2015 preferred

Dow AgroSciences, based in Indianapolis, Indiana, USA, develops leading-edge crop protection and plant biotechnology solutions to meet the challenges of the growing world. Dow AgroSciences is a wholly owned subsidiary of The Dow Chemical Company and had annual global sales of \$7.3 billion in 2014. Learn more at <http://www.dowagro.com>. Follow Dow AgroSciences on Facebook and YouTube or subscribe to our News Release RSS Feed.

Dow AgroSciences seeks one summer intern to work in the Statistics and Mathematics Group in 2016. The interns should be pursuing a Masters or Ph.D. degree in Statistics, Mathematics, or a closely related field. The intern will be mentored by members of the Statistics and Mathematics team to create workflows for visualizing and analyzing large amounts of complex data to identify key trends and features of interest. The skills required include data visualization, statistical software development, good understanding of common statistical data analysis and modeling techniques, leadership skills and initiative, strong problem solving skills, as well as strong written and oral communication skills. Familiarity with commercial tools like Tableau will be a plus.

The position is located in Indianapolis, IN, USA. To apply, please visit <https://dow.taleo.net/careersection/10060/jobdetail.ftl?job=1505319>.

Please note that the description at the website is fairly general, which is written for a number of different positions. But applications from candidates showing the right kind of skill set for this position will be forwarded to the Statistics and Mathematics Group

Contact: Dong Wang, Statistics and Mathematics Leader, Dow AgroSciences , LLC; 9330 Zionsville Road, Indianapolis, IN 46268; dwang13@dow.com

Fred Hutchinson Cancer Research Center

Seattle, Washington

Number of Positions: Varies

Type of Student: Undergraduate Student

Deadline for Applying: Friday, January 15, 2016 at midnight Pacific Standard Time (PST)

The Summer Undergraduate Research Program (SURP) at the Fred Hutchinson Cancer Research Center (Fred Hutch) is an intensive, nine-week internship designed to provide research experience and mentorship for undergraduate students who are interested in biomedical research. Under the guidance of a faculty mentor, students will complete an independent research project and present their findings at a competitive poster session.

In addition to completing a mentored research project, interns will participate in professional development workshops designed to facilitate the preparation of competitive applications for graduate or medical school. Interns will also attend weekly seminars regarding a broad array of scientific topics and have the opportunity to attend program-sponsored social activities to foster interaction among interns and their mentors, including, but not limited to attending a Seattle Mariners MLB game or Seattle Sounders FC match.

The program runs from Monday, June 13 through Friday, August 12, 2016. An online application for the 2016 SURP will be available via the SURP website (<http://www.fredhutch.org/en/education-training/undergraduate-students.html>) in mid-November 2015. The application deadline is midnight Pacific Standard Time (PST) on Friday, January 15, 2016. Letters of recommendation for up to two references are due by midnight Pacific Standard Time (PST) on Friday, January 22, 2016.

Contact: Stephanie Louie, Program Assistant, 1100 Fairview Ave. N., Seattle, WA 98109; (206) 667-3241; slouie@fredhutch.org

GlaxoSmithKline

Collegeville, Pennsylvania

Number of Positions: 2

Type of Student: Graduate students

Deadline for Applying: 11/30/15 for fall hiring and 5/31/2016 for spring hiring

Statistical Sciences within the Quantitative Sciences division of GSK is an internal consulting group. As part of Statistical Platforms & Technologies department, Statistical Sciences provides statistical consulting support to non-clinical research and development.

The co-op student will work under the supervision of the statisticians in Statistical Sciences and have the opportunity to:

- Advise on design, sample size and other aspects of statistical relevance in the planning of studies;
- Provide statistical analysis, reporting and interpretation of results of studies;
- Provide statistical computing programs for use either within Statistical Sciences or by other R&D staff.

This position is full time for 5 -6 months. It will be posted online and managed by third party ZeroChaos. There are two hiring windows every year. The position from January – June is posted in early October and the position from June – December is posted in late March. To apply, please go to <https://gsk-zerochaos.icims.com>.

Contact: *shu.x.zhang@gsk.com*

GlaxoSmithKline (GSK) – Pre-Clinical Statistics for Drug Discovery

Collegeville, PA

Number of Positions: Multiple

Type of Student: PhD student

Deadline for Applying: Applications will be evaluated on a rolling basis until positions are filled. Co-ops are accepted for January-June or July-December with some flexibility on start and end dates, e.g. may be January-August or June-December based on business needs and/or student schedules.

GSK is a science-led global healthcare company with a mission to help people do more, feel better, and live longer. Our success depends on our ability to research and develop innovative healthcare products and make them accessible to as many people as possible. We have over 13,000 people working on the research and development of prescription medicines, consumer healthcare products, and vaccines.

The pre-clinical statistics team provides expert statistical consulting to GSK scientists in pre-clinical drug discovery. Department members work closely with biologists and chemists to design and analyze non-clinical experiments to identify the biochemical targets via which disease may be attacked and select compounds that can modulate these targets.

We are seeking a co-op student to work full-time for 6 months at one of our sites near Philadelphia. The student will work with a senior statistician to provide hands-on consulting support, including experimental design, data analysis, and data visualization, for specific drug discovery projects. The work will include identifying existing statistical methods or developing new ones and applying them to non-clinical studies in GSK's laboratories. The student will have the opportunity to learn about the pharmaceutical industry and to work with scientists with varied backgrounds in biology and chemistry. If further work is needed at the end of this assignment, there is a possibility for extending the project. Please discuss the opportunity with your advisor and obtain his/her consent prior to applying.

Basic Qualifications

- Currently enrolled in a graduate program leading to a PhD in statistics, biostatistics, or a related field.
- Eligible to work in the US at the time of, and for the duration of their employment. Employees must furnish evidence of US work authorization.
- Eligible to work on a full-time basis during the internship duration (35-40 hours/week).
- Must have completed two years of graduate study, i.e. coursework equivalent to a MA/MS in statistics, with a 3.0 or greater cumulative GPA.

Preferred Qualifications

- Good oral and written communication skills
- Strong working knowledge of SAS and/or R
- Some previous experience applying statistics to applied problems

- Knowledge of one or more of the following statistics topics: experimental design, mixed models, Bayesian methods, linear and nonlinear regression, repeated measures, high-dimensional data analysis as found in 'omics analyses

This co-op position is posted online and managed by a third party company (ZeroChaos). Applicants must apply through the ZeroChaos website (<https://gsk-zerochaos.icims.co>).

Students should also submit the following to the GSK contact below: a resume, a transcript, the email addresses of two references, and a cover letter explaining their interest in the position. One of the references should be familiar with the student's work applying statistics to a real-world problem outside the classroom. Students should also direct questions to the GSK person below.

If you see other ads for GlaxoSmithKline on the ASA internship website, they are for different departments with completely separate application processes. In particular, there is another nonclinical department at GSK which supports nonclinical research for developing drug manufacturing processes.

Contact: Joe Boyer, Target Sciences Statistics, GSK, 1250 S Collegeville Rd, Collegeville, PA 19426;
joseph.g.boyer@gsk.com

GSK – Target Sciences Statistics Team

Upper Providence, PA

Number of Positions: Multiple

Type of Student: PhD student

Deadline for Applying: Applications will be evaluated on a rolling basis until positions are filled. Co-ops are accepted for January-June or July-December with some flexibility on start and end dates, e.g. may be January-August or June-December based on business needs and/or student schedules.

GSK is a science-led global healthcare company with a mission to help people do more, feel better, and live longer. Our success depends on our ability to research and develop innovative healthcare products and make them accessible to as many people as possible. We have over 13,000 people working on the research and development of prescription medicines, consumer healthcare products, and vaccines.

The Target Sciences Statistics team within GSK's pharmaceutical R&D provides statistical consulting to GSK scientists engaged in drug discovery. Department members work closely with biologists and chemists to design experiments and analyze and interpret laboratory data to identify targets and select compounds that show promise for treating human diseases. Our 6-month co-op students learn to use statistical methods to address practical problems in drug discovery. The students work with senior statisticians to provide hands-on consulting support, including experimental design, data analysis, and data visualization, for specific drug discovery projects. The work includes identifying existing statistical methods or developing new ones and applying them to non-clinical studies in GSK's laboratories. Students have the opportunity to learn about the pharmaceutical industry and to work with scientists with varied backgrounds in biology and chemistry.

Basic Qualifications

- Currently enrolled in a graduate program leading to a PhD in statistics, biostatistics, or a related field, e.g. bioinformatics with a concentration in statistics.
- Eligible to work in the US at the time of, and for the duration of their employment. Employees must furnish evidence of US work authorization.

- Eligible to work on a full-time basis during the internship duration (35-40 hours/week).
- Must have completed two years of graduate study, i.e. coursework equivalent to a MA/MS in statistics, with a 3.0 or greater cumulative GPA.

Preferred Qualifications

- Good oral and written communication skills
- Strong working knowledge of SAS and/or R
- Some previous experience applying statistics to applied problems
- Knowledge of one or more of the following statistics topics: experimental design, mixed models, Bayesian methods, linear and nonlinear regression, repeated measures, high-dimensional data analysis as found in 'omics analyses

This co-op position is posted online and managed by a third party company (ZeroChaos). Applicants must apply through the ZeroChaos website (<https://gsk-zerochaos.icims.com>), but they are also encouraged to contact the GSK person below with questions, application materials, etc.

Contact: Joe Boyer, Target Sciences Statistics, GSK, 1250 S Collegeville Rd, Collegeville, PA 19426; joseph.q.boyer@gsk.com

Dept. of Biostatistics, Harvard T.H. Chan School of Public Health

Boston, Massachusetts

Number of Positions: 2 post-bac internships; 12 undergraduate/post-bac summer program slots

Type of Student: Undergraduate or post-baccalaureate

Deadline for Applying: February 1, 2016

If you like mathematics and would like to learn how quantitative methods can be applied in the study of human health, consider applying to the Summer Program in Biostatistics & Computational Biology at the Harvard T.H. Chan School of Public Health. The program will introduce you to the power and excitement of math applications to public health, medicine, and biology, and provide you experiences that will help inform your future career path.

Summer Program for Undergraduates & Recent Graduates: The Summer Program is an intensive 6-week program, during which qualified participants receive a whirlwind introduction to biostatistics, epidemiology, and public health research. This program is designed to expose undergraduates to the use of quantitative methods for biological, environmental, and medical research. The program also provides advice about graduate school and the application process through GRE preparation, meetings with different departments of the Harvard T.H. Chan School of Public Health, and individualized mentoring by Harvard faculty. Participants take non-credit introductory courses in Biostatistics and Epidemiology and statistical programming languages such as R and STATA (a statistical program), and attend a series of afternoon topical seminars. The seminars, led by faculty members from various departments at the Harvard School of Public Health, are designed to broaden participant's understanding of the relationship of biostatistics to human health by providing a snapshot of methods developed and applied to real research projects in different fields. Participants also gain research experience through small-group research projects directed by faculty and graduate student mentors. At the end of the program, students present their research to the group and to affiliated faculty. Housing and travel are provided and a living stipend of approximately \$1500/month is provided for the 6-week program.

Post-Baccalaureate Internship: The 3-month internship program is for post-bacs interested in or planning to attend a graduate degree program in biostatistics. Past summer program participants are encouraged to apply. Travel is provided and interns will receive a salary for their participation in the post-baccalaureate program. Interns will participate in collaborative research projects through three, one-month long rotations at academic and clinical centers at Harvard. They will attend regular seminars at Harvard and Dana Farber Cancer Institute on biostatistical topics. They will also attend the annual Pipelines Into Biostatistics Symposium in July 2016 and return the next summer to present their research at our 2017 Annual Symposium.

For eligibility requirements and application instructions please visit

<http://www.hsph.harvard.edu/biostatistics/diversity/summer-program/eligibility-application/>

Contact: Jessica Boyle, 655 Huntington Avenue, 4th Floor, Boston, MA 02115; (617) 432-3175; biostat_diversity@hsph.harvard.edu

ICF International

Rockville, Maryland and Burlington, Vermont

Number of Positions: 1

Type of Student: Currently enrolled in a Bachelor's or graduate degree program in Statistics, Sociology, Psychology

Deadline for Applying: March 18, 2016

ICF International is hiring summer interns to contribute to our Survey Research line of business. Survey sampling and statistics interns will support multiple projects by implementing sampling and weighting methodologies, processing and analyzing data, conducting multivariate analyses and technical writing. Topical areas within the Survey Research line of business include public health, housing, military and veteran's issues, energy, transportation, environment, and social and economic policy. This opportunity is available to current undergraduate and graduate level students. This internship will be at least a ten week commitment in the summer of 2016, between May and August. Interns will either report to our Rockville, Maryland or our Burlington, Vermont office and will work on a variety of projects with a wide range of staff. Successful candidates must have strong communication skills and a passion for learning.

Key Responsibilities:

- Execute sampling and weighting procedures
- Analyze data using SAS and/or SPSS
- Prepare written technical documentation

Basic Qualifications:

- Currently enrolled in a Bachelor's or graduate degree program in Statistics, Sociology, Psychology, Survey Methodology, Mathematics or related subjects
- Knowledge of SAS, SPSS, Stata or other statistical analysis tools
- Strong interest in survey methodology and statistics
- Minimum GPA of 3.0

Professional Skills:

- Excellent written and oral communications skills

- Strong statistical skills and knowledge of survey data
- Strong organizational and project management skills
- Detail-oriented
- Ability to manage time effectively
- Ability to work under deadlines in a fast-paced environment
- Strong analytical skills
- A passion for solving complex problems
- Strong intellectual curiosity
- Team-oriented

Contact: To apply, please submit your resume and transcript at:

https://icfi.taleo.net/careersection/icf_prof_ext/jobdetail.ftl?lang=en&job=1600000553

Email: icfrecruiting@icfi.com

Medivation, Inc.

San Francisco, California

Number of Positions: 2

Type of Student: PhD

Deadline for Applying: April 29, 2016

The intern will be assigned to specific projects in the oncology therapeutic area that will support Medivation’s global project teams. They will work and learn under the guidance of a senior statistician (mentor) to perform statistical analyses of data from clinical trials and/or conduct statistical research in areas of interest to the Biostatistics group. At the conclusion of the internship, they will provide a presentation summarizing some aspect of their work while at Medivation.

During this time, an intern will be provided with practical “hands-on” experience and given an opportunity to participate project meetings and networking in the pharmaceutical industry. During their time with Medivation the intern will have the opportunity to participate in company meetings and events.

Minimum of 3 years training in a statistics, biostatistics, or mathematics/statistics program or have a master’s degree in a mathematically or statistically related area and be in at least their first year of PhD training in a biostatistics, statistics, or mathematics/ statistics program.

Contact: Cristina Corona, 525 Market Street, San Francisco, CA; Cristina.Corona@Medivation.com

Merck Research Laboratories

Kenilworth, New Jersey

Number of Positions: 1-2

Type of Student: Graduate

Deadline for Applying: January 19, 2016

MRL Intern- Pharmacokinetics, Pharmacodynamics and Drug Metabolism (PPDM) – Quantitative Pharmacology & Pharmacometrics (QP2)

Merck is a global health care leader with a diversified portfolio of prescription medicines, vaccines and consumer health products, as well as animal health products. Today, we are building a new kind of healthcare company – one that is ready to help create a healthier future for all of us.

Quantitative Pharmacology and Pharmacometrics (QP2) group at Merck provides pharmacokinetic/pharmacodynamic analysis and modeling and simulation support to enable decisions and accelerate MRL programs across the pipeline in Discovery and Preclinical Sciences, Early Development, and Late Stage development, including product value enhancement.

The interns will work closely with a QP2 staff as mentor to develop and apply quantitative mathematical, physiologic, pharmacologic or statistical models and simulations to support ongoing projects and/or to contribute to the development and implementation of new capabilities, standards, and approaches. Specific intern projects will be developed with the mentor consistent with completion in the timeframe of the internship. Coaching and training will be provided on new skills and approaches as needed.

Other Relevant Information:

Qualifications:

Education:

- Enrolled in a PhD or MS degree (program) in Statistics, Pharmacometrics, Clinical Pharmacology, Clinical PK/PD, Mathematics, Pharmaceutical Sciences, Bioengineering, Computer Science or related areas, with preference to PhD students.

Required:

- Strongly recommended is experience in applications of mathematics, statistics and/or computer science to biology, biotechnology, chemistry, genetics, biochemistry, Pharmacometrics, Clinical Pharmacology, Clinical PK/PD, Pharmaceutical Sciences, Bioengineering and Chemical Engineering.
- Knowledge of R, SAS, NONMEM, Matlab, Phoenix WinNonlin, C/C++, Monolix, Java, S-ADAPT, S-Plus, and/or Mathematica.
- Strong interpersonal skills; proficient oral and written communications skills; desire to work in a collaborative team environment; ability to adapt to new technologies, business (situations), ability to adapt to a rapidly changing work environment, and ability to solve problems by creative application of new and existing technology, processes and information.
- Must be available for a period of 9-11 weeks, beginning June 2016.

Preferred

- GPA of 3.0 or higher is preferred.
- Eligible to work in U.S. on a full-time basis.

To apply, visit the following link

https://merck.taleo.net/careersection/merck_university_recruiting_career_section/jobdetail.ftl?job=ADM007257

Contact: Akshita Chawla, PPDM (QP2), 2000 Galloping Hill rd., Kenilworth, NJ, 07033; (908) 740 4806; akshita.chawla@merck.com

Monsanto

St. Louis, Missouri

Number of Positions: 1

Type of Student: Graduate

Deadline for Applying: February 12, 2016

We are seeking exceptionally talented graduate-level students who share our passion for innovation to be part of our Biotech Trait Analytics & Decision Science Team at our world headquarters in St. Louis, Missouri. This team has access to data you've only dreamt about and is driving creation of predictive, prescriptive models that will shape the industry. We work on hard problems because we love the challenge. As part of our diverse, highly dynamic group, you will work side-by-side with a team of exceptional data scientists with diverse backgrounds (Statisticians, Mathematicians and Engineers) to foster your career growth and development while delivering next-generation scientific breakthroughs. Our openings have the flexibility to be either a 3 month (intern: May – August 2016) or 6 month (co-op: May – Nov 2016) assignment.

Shift from theory-based statistical programming to analytics modules that excel in computational efficiency in terms of speed, accuracy, and robustness. This is the transition we expect from the Analytics Automation Intern/Coop, who will apply cutting age computational techniques and algorithms to develop R modules for modeling and analysis of data from our agricultural experiments. You will work closely with members of the Trait Testing Analytics Team and scientists from Information Technology.

- Candidates must be currently enrolled in a Masters or PhD degree program in Computational Statistics, Computational Mathematics, Computer Science, or Computational Biology. Graduate students in Statistics, Mathematics, Biostatistics, or Bioinformatics with strong background in development of efficient computer algorithms are also eligible
- Proficiency in R programming with experience in development of R packages with computational efficiency
- Experience in interfacing R with high level programming languages such as Python and MATLAB to enhance computational efficiency
- Expertise in numerical methods for dealing with large and high dimensional unbalanced data structure
- Basic knowledge of Analysis of Variance, Mixed Model, Regression and other statistics tools and the implementation of these techniques in R
- Strong communication skills for effective interactions with senior business/R&D stakeholders as well as peer groups and team members
- Experience with numerical linear algebra for solving linear systems with sparse and ill-conditioned matrices is highly desirable
- Some background and training in crop science area is desirable

Apply at <http://www.monsanto.com/careers/pages/jobsearch.aspx>

Use search keyword: *Analytics Automation Intern*

Contact: Radha Mohanty, (636) 737-5043; radha.mohanty@monsanto.com

Monsanto Company

St. Louis, Missouri

Number of Positions: 1

Type of Student: Graduate

Deadline for Applying: November 1, 2015

Monsanto is seeking a highly motivated individual to become part of our fast-moving, interdisciplinary Regulatory Statistics team. The successful candidate will join a group that provides scientific leadership and analytical support in the areas of product safety and efficacy, product characterization, and environmental risk assessment to enable global regulatory approvals of biotechnology-derived crops. The intern will be responsible for conducting independent research and statistical analyses, preparing reports, and communicating results to the Regulatory organization. The intern will also have the opportunity to interact with scientists from across the organization to gain knowledge and awareness of various technical areas of research.

The position requires at least one year of graduate work in statistic, biostatistics, or related field. The ideal candidate will be familiar with several of the following areas: statistical models for non-normal data, including counts, discrete and continuous proportions, and ordinal responses; fitting linear- and generalized linear mixed models using SAS MIXED and GLIMMIX; non-parametric methods; and spatial statistics. The ideal candidate will also have an interest in applications of modern biotechnology to sustainable agriculture. Excellent written and oral communication and interpersonal skills are essential.

Required Skills:

- Current M.S. or Ph.D. students who are pursuing a degree in Statistics, Biostatistics, or related field
- Familiarity with several of the following areas: statistical models for non-normal data; fitting linear- and generalized linear mixed models using SAS MIXED and GLIMMIX; non-parametric methods; and spatial statistics
- Willingness and ability to relocate for the summer
- Strong organizational, interpersonal and problem-solving abilities
- Detail- and results-oriented with the ability to thrive in a team-based environment
- Ability to communicate complex quantitative analyses in a clear, precise, and actionable manner

To apply, visit <http://www.monsanto.com/careers/pages/jobsearch.aspx> and enter Requisition ID: 0134X

Contact: Adam Schapaugh, Ph.D., Statistics Technology Center, Monsanto Company; 800 N. Lindbergh Blvd., St. Louis, MO 63167; (314) 694-1532; (314) 694-8525 (fax); adam.schapaugh@monsanto.com

Verisk Analytics

Jersey City, New Jersey

Number of Positions: 1 to 2

Type of Student: Graduate level degree or Bachelors with more than 2 CAS/CPCU exams

Deadline for Applying: February 29, 2016

Verisk Analytics, a top insurance data aggregator and analytics shop is seeking an intern for its core Insurance Analytics group. Given excellent performance, this internship could lead to a permanent position in 2016. We welcome any local candidates with appropriate skills/experience who are able to commit at least 20 – 25 hours per week (40 hours even better) for the next 3 – 6 months or during the summer. In particular:

- Graduate students of statistics, data science, computer science, mathematics, actuarial science, economics, operations research or other quantitative areas (close to graduation preferred)
- Analytics professionals who are not currently employed and are looking for a new exciting career path (40 hours per week are possible depending on the candidate).

Insurance Analytics is an entrepreneurial department within the larger Verisk enterprise. Verisk owns and aggregates a wealth of unique databases from the insurance, financial services and health care industries. Among the rich data playground there are 16B records in personal and commercial insurance lines (from 1,800 insurance carriers), 25 years of VIN data, 925M claims, detailed specs/occupancy on 50% of commercial properties, billions of consumer financial transactions ... and on goes the list. The best place to work as a data scientist/modeler/innovator is where the (unique and proprietary) data is. We have a large group of well-trained analysts/statisticians/consultants and a modern computing environment to support you.

Verisk is a major player in modeling and quantitative analysis related to insurance risk (P&C, health and soon Life), fraud detection (both front end and transactional), capital markets risk, payment, health risk, property risk, hazard analytics, climate, acquisition marketing, retention, cross-sale, and most other data-driven efforts in the consumer financial industry.

Insurance Analytics is a rapidly growing unit, which aims to design, create and offer innovative data-driven products to the property and casualty insurance as well as life insurance and parts of the credit industry. We are aided by Verisk's existing business with the overwhelming majority of insurance carriers. We have the freedom to explore external data sources and new statistical techniques, and are excited about delivering a whole new generation of Verisk solutions (most of which are version 1.0 which we are designing).

You will apply your developing analytical and existing intermediate or advanced SAS and/or R skills to work on several aspects of the insurance value chain, ranging from pricing models, fraud detection, process triaging, and financial risk models to a variety of other analytics solutions.

Responsibilities

1. Utilizes advanced statistical techniques to create high-performing predictive models and creative analyses to address business objectives and client needs (senior modelers can provide supervision).
2. Tests new statistical analysis methods, software and data sources for continual improvement of quantitative solutions.
3. Processes, quality-checks and aggregates large datasets from multiple internal and external sources (using SAS, SQL, etc.)
4. Creates clear and easy to understand reports and/or PowerPoint decks for client meetings or third party collaborations.
5. Verbally presents analysis ideas, progress and results to internal managers, external partners and customers.

6. Communicates with internal groups on data specifications and with IT engineers on model/algorithm implementation.
7. Shares knowledge within the analytics group.

Required qualifications

- Graduate-level degree with concentration in a quantitative discipline such as statistics, data science, computer science, mathematics, economics, or operations research OR current graduate student in quantitative discipline OR Bachelor's degree with more than 2 CAS/CPCU Exams.
- Strong verbal and written communications skills, listening and teamwork skills, and effective presentation skills.
- Programming experience with SAS (base, STAT, macros) is preferred.
- Experience with R and other statistical software (e.g. CART, TreeNet, SPSS, Matlab).
- Developing expertise and interest in statistical modeling techniques such as linear regression, logistic regression, GLM, tree models (CART, MART, CHAID), cluster analysis, principal components, and feature engineering, and validation.
- Aptitude for performing multiple tasks in a dynamic business environment and dealing with changing deadline requirements.
- Proficiency in Microsoft Office (Excel, Word, PowerPoint).

Contact: Mary M. Louie, Ph.D., Lead Data Scientist, Insurance Analytics, Verisk Analytics,
545 Washington Blvd, Jersey City, NJ 07310; (201) 469-3181; mary.louie@verisk.com