NSF Funding Opportunities: Statistics, Mathematics, and Data Science

September 25, 2020

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National Science Foundation
Research Programs

- **Faculty Early Career Development Program (CAREER)**
  - Deadline: July

- **Regular Statistics Program**
  - Submission window: Dec 1–15, 2020
DMS/NIGMS (Interface of the Biological and Mathematical Sciences)
- September 1–18, 2020

CDS&E–MSS (computational and massive-data challenges presented to scientific and engineering communities)
- September 1–15, 2020

ATD (Algorithms for Threat Detection)
- February 17, 2021

MoDL (NSF–Simons Research Collaborations on the Mathematical and Scientific Foundations of Deep Learning)

SenSE (Multimodal Sensor Systems for Precision Health Enabled by Data Harnessing, Artificial Intelligence, and Learning)

Training & Career Development

- **GRFP** (Graduate Research Fellowship Program)
  - October 25, 2019

- **MSPRF** (Mathematical Sciences Postdoctoral Research Fellowships)
  - October 31, 2019

- **MSGI** (NSF Mathematical Sciences Graduate Internship)
  - For math science doctoral students to participate in internships at federal national laboratories, industry and other approved facilities
  - [https://orise.orau.gov/nsf-msgi](https://orise.orau.gov/nsf-msgi)
  - January 31

- **Others**: RTG (Research Training Groups in the Mathematical Sciences); REU (Research Experiences for Undergraduates) Sites
Community Resources

- Mathematical Sciences Institutes–A Community Resource (www.mathinstitutes.org)
- NSF TRIPODS Institutes: https://nsf-tripods.org/
  - Foundations of Data Science Institute
  - Institute for Foundations of Data Science
- NSF–SF MoDL centers
  - THEORINET
  - The Collaboration on the Theoretical Foundations of Deep Learning
- AI Institutes, e.g.
  - Institutes for Foundations of ML (UT Austin)
- HDR Institutes
Final Remarks

- Check the published abstracts on the NSF website: http://www.nsf.gov/awardsearch

- Volunteer as a reviewer! Email the PD or visit https://www.nsf.gov/additional-resources.jsp?org=DMS

- Talk to Program Officers
  - JSM: DMS Meet & Greet; Speed Coaching
  - DMS office hours (TBA)
QUESTIONS?

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