

IDIA Predoctoral Fellowship Program

<https://idia.gmu.edu/predoctoral-fellowships/>

IDIA Office Hours

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IDIA Mission & Focus

Engaging researchers, innovators, and scholars in cutting edge work to shape the future of our digital society while promoting equality, wellbeing, security, and prosperity.

Technology

New algorithms, digital techniques and technologies

Theme 1



Systems

Developing and deploying computing systems to advance fields as diverse as finance, education, national security, and social justice

Theme 2

Digital Society

Engaging in critical reflection that examines the implications of digital innovation ensuring social, ethical, political, and economic impact

Theme 3





IDIA Predoctoral Fellowship Program: Intent & Focus

Program Intent

- Instigate, support, and grow ambitious, convergent, interdisciplinary research that directly aligns with IDIA's mission and focus
- Position graduate students as the hub that connects diverse spokes permeating the various units and disciplinary expertise on campus
- Strengthen IDIA research community and identity



Focus of this Program

- STUDENTS





IDIA Predoctoral Fellowship Program: Meet Previous Winners

☐ Cohort Model:

<https://idia.gmu.edu/idia-predoctoral-fellows/>

First Cohort of FY23



**A Multi-level
Approach to
Measuring Risks
for Positive Youth
Outcomes**

Jinyi Kim (Inf Sci & Tech)



**A Data Assimilation
Technique to
Improve the
Monitoring and
Forecasting of
Coastal Hazards**

Soelem Aafnan Bhuiyan
(Civil & Env Eng)



**Optimal HVAC
Outlay to
Minimize
Pathogen
Transmission**

Facundo Nicolas Airaudo
(Physics)



**Guarantees in
Distributed Deep
Learning:
Computation,
Communication,
& Sample Efficient
Algorithms**

Michael Timothy Crawshaw
(Computer Sci)



IDIA Predoctoral Fellowship Program: Eligibility

Who Can Apply

- Full-time Mason Ph.D. and Master students

Preparatory Work

- Student applicants are encouraged to reach out to and form an interdisciplinary team of faculty mentors across the Mason ecosystem

How to Apply

- The application template (and other submission information) can be found at:
<https://idia.gmu.edu/predoctoral-fellowships/>

**Application Deadline:
May 01, 2023, 11:59 PM EDT**



IDIA Predoctoral Fellowship Program: Structure

IDIA predoctoral fellows will be an integral part of the IDIA community.

As such, they will have the *opportunity* to:

- ❑ Community building: take part in community-building events with other IDIA fellows and faculty
- ❑ Collaboration: collaborate with other fellows to organize and support IDIA-sponsored events, such as seminars, panels, workshops, and tutorials
- ❑ Networking: connect with IDIA's rich network of academic, government, think tank, and industry partners around digital innovation
- ❑ Engagement: engage with Mason Innovation Exchange and Mason Enterprise
- ❑ Celebration: an end-of-year 'Come Meet our Fellows' meeting will celebrate and disseminate the achievements of the IDIA predoctoral fellows



IDIA Predoctoral Fellowship Program: Award Information

Fellowship award

- An IDIA predoctoral fellowship includes AY GRA stipend, tuition, and healthcare
- Stipend amount will be consistent with the guidelines of the unit where the student resides

Fellowship Duration

- Up to three years
- Renewed on an annual basis contingent upon a favorable internal review of the annual report and availability of funds

Numbers of Fellowships

- Up to five for FY 24 contingent upon quality of submissions



IDIA Predoctoral Fellowship Program: Other Information

Review Process

- Awards will be made on a competitive basis
- Applications will be reviewed by interdisciplinary senior researchers and faculty

For Other Information

- <https://idia.gmu.edu/predoctoral-fellowships/>

Questions formulated after these office hours

- Email: idia2@gmu.edu

We now welcome any questions

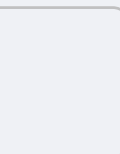
Q on Program Structure

- What do the community-building events look like?
- What does the interaction with the MIX & MEC look like?
- How are fellows engaging industry and think tanks?

Community-building events: we think of them as "check-ins" and envision three events; one at the beginning, so fellows meet one another, one in the middle to learn of what is working, what is not working (good information for us), and one at the end of the year.

MIX & MEC: We see a great opportunity to position fellows as the next innovators and entrepreneurs. So, we envision a light, tiered, customizable educational experience we will design in partnership with MIX & MEC.

External engagement: IDIA regularly organizes panels, workshops, tutorials that bring external partners and faculty together. We will give the opportunity to fellows to connect with these partners at these events. They can introduce speakers, moderate sessions, and even help us put the programs together. We do want their input and their voice.





Q on Review and Notification Timeline

How quickly will decisions be made?

Applications in: May 01st

Panel reviewed by May 15

Goal: notifications to students the last week of June

Fellowship offers signed the first week of August

