

GW Data MASTER Research Fellowship

The GW Data MASTER program and the GW Master of Data Science program are pleased to announce a jointly sponsored program that will support GW undergraduates to work on data-driven computational projects with faculty mentors. With today's explosion of data, we are facing an urgent need to provide data-driven computational skills for students entering the workforce. Research experience in this area helps students to build up such skills. It also provides challenges and depth to students' education, and strengthen their applications for graduate schools and job positions.

Eligibility. Each application must be from a GW student (or a team of 2 or 3 GW students) and a faculty mentor. Each student applicant must be a full-time undergraduate student at GW, and must be enrolled at GW throughout the duration of the award. Students who major or minor in Mathematics or Statistics will be given higher priority. A student must be mentored by a GW associated faculty throughout the duration of award. An external mentor, from industry or from academia, is permissible but does not replace the internal faculty mentor.

Funding. Each award will provide funding for up to \$2000 per student, and up to \$4000 per team. The fund allocated to the students can cover research-related expenditures, including travel, materials, and equipment. It can also provide some limited stipend for the students at the rate of \$10 per hour. There will also be some funding for the faculty mentors.

Deadline and Funding Period. Each application should meet one of the following two deadlines.

December 1, 2015. Applications submitted by this date will be processed by December 2015, and the award duration will be January 1, 2016 – August, 2016. Students who will graduate in Spring 2016 are expected to finish the project by May 2016.

May 1, 2016. Applications submitted by this date will be processed by May 2016, and the award duration will be June 1, 2016 – December 2016.

Note: Students who apply in Fall 2015 and are not selected for funding may revise and resubmit their proposals by the April deadline. Students may not receive more than one research fellowship award for the same project, nor may they receive awards for different projects during the same award year.

Application. Each application should contain the following, with item 1 entered online and items 2-4 emailed to datamaster@gwu.edu.

1. Basic information of the student(s) and mentor to be filled online at https://docs.google.com/forms/d/17MJMLwnphmvyIU2vWPj_4Q7A6JsvLLEWeR3ig2V3Hsk/viewform?usp=send_form
2. A title, an abstract (up to half page limit), and a project description. The project description should contain information on (a) the proposed problem, (b) proposed research plan, and (c) the expected outcomes and significance. The project description should not be longer than 2 pages.
3. A statement from the faculty mentor, commenting on the project's significance, feasibility, anticipated outcome, anticipated contribution of the student and role of the mentor. (1 page limit).
4. A requested budget with brief justification, and anticipated time commitment from the student and the mentor. (1 page limit).

Award Requirement: All award recipients are required to submit timely progress reports on their research, to present results of their project at GW Research Day or a Data Science Research Showcase. The Fellowship may or may not be associated with a credit-bearing course. Students may request this experience to be counted as a QED course towards the Data Master certificate (a description for this certificate is available at <http://math.columbian.gwu.edu/data-master>)

For more information, please contact us at datamaster@gwu.edu or check our websites at <http://math.columbian.gwu.edu/data-master> and <http://datasci.columbian.gwu.edu/>

