

**FELLOWSHIPS AND HOW
TO WRITE A
SUCCESSFUL ONE**

External Fellowships (I)

Agency	Deadline	Eligibility	Link	Amount
NSF	Oct. 22	US citizen/PR, first two years of grad study	https://www.nsf.gov/pubs/2018/nsf18573/nsf18573.htm	
NDSEG		US citizen	https://www.ndsegfellowships.org/eligibility	
SMART			https://smartscholarshipprod.service-now.com/smart	
Google	Nov. 30	3rd year PhD or later	https://ai.google/research/outreach/phd-fellowship/	
Facebook	Oct. 4		https://research.fb.com/programs/fellowship/	\$37,000
Microsoft	August 15		https://www.microsoft.com/en-us/research/academic-program/phd-fellowship-program/	
IBM	Oct. 25		https://www.research.ibm.com/university/awards/phdfellowship.shtml	

External Fellowships (II)

Agency	Deadline	Eligibility	Link	Amount
Adobe	Sept. 28		https://research.adobe.com/fellowship/	
NVIDIA	Sept. 13		https://research.nvidia.com/graduate-fellowships	
Qualcomm	Sept. 27		https://www.qualcomm.com/invention/research/university-relations/innovation-fellowship	
Hertz	Oct. 24		http://hertzfoundation.org/fellowships/application/	
Siebel			http://www.siebelscholars.com/	
Ford	Dec. 6		http://sites.nationalacademies.org/PGA/FordFellowships/index.htm	
Anita Borg	Dec. 6	Women only	https://www.womentechmakers.com/scholars	

External Fellowships (III)

Agency	Deadline	Eligibility	Link	Amount
AAUW		Women only	https://www.aauw.org/what-we-do/educational-funding-and-awards/selected-professions-fellowships/	
Symantec	Dec 4		https://www.symantec.com/about/careers/graduate-fellowship	\$20,000
Snap Inc			https://snapresearchfs.splashthat.com/	\$10000 + internship
SIGHPC	Mar 15 - Apr 30	Women/Minority	https://www.sighpc.org/fellowships	\$15,000
Open Philanthropy	Oct 25		https://www.openphilanthropy.org/focus/global-catastrophic-risks/potential-risks-advanced-artificial-intelligence/the-open-phil-ai-fellowship	
Ada Lovelace (Microsoft)	Aug 15		https://www.microsoft.com/en-us/research/academic-program/ada-lovelace-fellowship/	
Amazon Alexa		Dept invite required	https://developer.amazon.com/alexa-fund/alexa-fellowship/graduate	

National Science Foundation





The NSF Graduate Research Fellowship Program recognizes and supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines who are pursuing research-based Master's and doctoral degrees at accredited United States institutions.

- Official Site: <https://www.nsfgrfp.org/>
 - Read the solicitation and ... then read it again
 - *You may be easily rejected for violating formatting rules*

GRFP Eligibility

- Eligibility: <https://www.nsfgrfp.org/applicants/eligibility>
 - US citizen, US national, or permanent resident
 - Enrolled in US grad institution by the fall of the following year.
 - Undergrad seniors.
 - No more than **12 months** of graduate study by Aug 1.
 - <http://www.nsf.gov/pubs/2016/nsf16050/nsf16050.pdf>

Basic Application Content

Link: https://www.nsfgrfp.org/applicants/application_components

1. Personal, Relevant Background and Future Goals Statement
 - 3 Page Max
2. Graduate Research Plan Statement
 - 2 Page Max
3. Three Letters of Reference
 - Five slots
 - 2 Page Max
4. Academic Transcripts
5. Fastlane forms...

GRFP Basic Review Process

- Each application receives three reviewers
- Each reviewer reviews 40 to 60 applications
 - No too much spent for each review, most likely 5 to 10 min per review
- Reviewers divided into panels, about 30 per panel
- Each application is discussed for about 5 min
- Evaluated considering student's level
 - UG senior has a lower bar than 1st year grad student, has lower bar than 2nd year grad student, ...

Google PhD Fellowship Program

- The Google PhD Fellowship Program was created to recognize outstanding graduate students doing exceptional work in computer science and related research areas.
 - Google PhD Fellowships directly support graduate students as they pursue their PhD
- Nurturing and maintaining strong relations with the academic community is a top priority at Google.
 - Connect students to a Google Research Mentor.
- Fellowships are offered in Australia, China and East Asia, Europe, Africa, India, the United States and Canada.

<https://ai.google/research/outreach/phd-fellowship/>

Know Your Audience...

- Most reviewers are STEM Faculty, some are from industry
 - Do not assume that reviewers are familiar with your discipline...
 - Carefully and wisely use “jargon” in your proposal wisely
- Reviewers Goals and Objectives
 - Help develop as many impactful researchers as possible.
 - Ensure that you meet the Fellowship program, objectives, instructions, ...
 - GRFP proposals must meet the NSF review criteria to be considered for funding
https://www.nsfgrfp.org/applicants/application_components/merit_review_criteria

“Therefore, applicants must include separate statements on Intellectual Merit and Broader Impacts in their written statements in order to provide reviewers with the information necessary to evaluate the application with respect to both Criteria as detailed below.”

Building a Statement

- Use only the space you are required, and follow formatting rules exactly
- Proof read your statement carefully to avoid embarrassment
 - Ask peers and faculty members to proofread it, if possible.
 - Proofread your peers' application, when asked
- Read example winning applications
 - Search Google to find examples

3-Page Personal Statement

- The personal statement is a story to:
 - Let the reader get to know you, and
 - Make reader believe that are engaged and capable of making a great and positive impact
- A compelling and “unique” theme for the story
 - First impressive experience with computing, computational thinking, .. with science
 - Personal or family experience, that is unique
 - Special background, diversity, ...
 - Other unique background.
 - Future goals, what you intend to do, where you want to end up, and what impact do you want to have on society?

2-Page Research Statement

- Set yourself Apart from the Crowd
 - Define clearly what you want to achieve and leave the reviewer with something to remember
 - Intellectual merits – What new knowledge will be generated
 - Broader Impacts – Why what you proposed to do is valuable
- Keep the focus on your main ideas
 - Your statement must be compelling, with a beginning, a middle and an end
 - A strong paragraph that will grab the reviewer's attention is highly recommended.
 - Keep the focus on your major ideas, and don't conflate issues.
 - Avoid jargon, and make your narrative accessible to non-specialized reviewer.
 - Avoid theoretical discourse that is only accessible to reviewers with expertise in your area.
 - Avoid jargon

END