

William Woodruff

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PERSONAL STATEMENT I am interested in impactful work that makes use of or contributes to the open-source world, especially in the field of cybersecurity.
Attention: I am not currently available for hire.

EDUCATION *The University of Maryland, College Park*, graduated May 2018 (maj. GPA 3.81).
The Bronx High School of Science, graduated June 2014 with honors.

PROFESSIONAL EXPERIENCE *Security Engineer* June 2018 –
Trail of Bits, Manhattan, New York

- Information forthcoming.

Course Facilitator (CMSC389R) January 2018 – May 2018
Dept. of Computer Science, University of Maryland, College Park

- Developed a syllabus, lectures, and assignments for a course on ethical hacking.
- Led classroom presentations and discussions.

Mentor, Google Summer of Code May 2017 – August 2017
Homebrew

- Oversaw a GSoC student and worked with them on their chosen project.
- Reviewed code submissions and provided development assistance for all students.

Software Engineering Intern June 2016 – August 2017
Cipher Tech Solutions, Elkridge, Maryland

- Developed programs for forensic analysis and data recovery.
- Limited additional information available upon request.

Student, Google Summer of Code June 2015 – August 2015
Github (Homebrew) June 2016 – August 2016

- Adapted Homebrew's binary distribution system (bottles) to remove dependencies on Xcode and the CLT, required previously for binary name relocation operations.
- Implemented a Mach-O binary parser and constructor in Ruby to handle dynamic library name relocations as required by Homebrew.

Research Writer December 2014 – April 2016
Dept. of Computer Science, University of Maryland, College Park

- Charged with writing articles and summaries on systems research in the Computer Science department.
- Published on the CS departmental website and in *Shell*, the department's biannual magazine.

SERVICE, HONORS, EXTRA-CURRICULARS

- Member, Homebrew Project (2016 –)
- Member, Maryland Philosophy Club (2018)
- Member, Maryland Cycling Team (2015 – 2018)
- Member and Officer, Maryland Cybersecurity Club (2014 – 2018)
- Contributor, OSS (Homebrew, mpv, linux-man, Crystal, cinch, feh, CocoaPods, ...)
- Winner, Hackathons:
 - HackBCA 2014 (Top 20)

- HackUMBC 2014 (First Prize)
- HackDuke 2014 (IBM Prize)
- Bitcamp 2015 (Multiple Prizes)
- Daemon Dash 2015 (Cipher Tech Prize)