

William Woodruff

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PERSONAL STATEMENT I am interested in high-impact work that makes use of and contributes to the open-source world, especially in the field of computer security.

PROFESSIONAL EXPERIENCE Engineering Director, R&E practice January 2023 – June 2025
Trail of Bits, Manhattan, New York

- Responsible for directing the Open Source Ecosystem Security group.
- Responsible for architectural and technical direction of security initiatives spanning multiple open-source ecosystems.

Senior Security Engineer, R&E practice January 2020 – January 2023
Trail of Bits, Manhattan, New York

- Program manager and technical lead for DARPA-funded program analysis research.
- Responsible for scoping, contracting, and technical leadership across open-source security contracts.

Security Engineer, R&E Dpractice June 2018 – January 2020
Trail of Bits, Manhattan, New York

- Individual contributor on DARPA-funded compilers and program analysis research.
- Individual contributor on client-funded security tooling and infrastructure engineering.

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 May 2020 – August 2020

- 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.

EDUCATION *The University of Maryland, College Park*, B.A., Philosophy, graduated May 2018.
The Bronx High School of Science, graduated June 2014.

SERVICE, HONORS, EXTRA-CURRICULARS

- Member and Maintainer, Homebrew Project (2016 –)
- Member, Maryland Cycling Team (2015 – 2018)
- Member and Officer, Maryland Cybersecurity Club (2014 – 2018)