

Work Experience

University of Maryland - PLUM  
Graduate Research Assistant  
Working with Leonidas Lampropoulos on the intersection of Property Based Testing, Fuzzing, and Formal Verification.  
Aug 2022 - Present

Amazon Web Services Privacy Engineering Team  
Applied Science Intern  
Implemented of a novel encryption scheme on top of the AWS Encryption SDK.  
Python, Dafny, AWS Encryption SDK  
May 2022 - Jun 2022

University of Maryland - Maryland Cybersecurity Center (MC2)  
Research Intern  
Program Synthesis, Automatic Exploit Generation  
Jul 2020 - Dec 2020

Havelsan  
Part-Time Engineer  
Designed and implemented a novel bandwidth detection and optimization algorithm for a video-conference application.  
Javascript, React  
Jul 2019 - 2020

Emproof  
Embedded Security Engineering Intern  
Worked on translation validation of binary obfuscation techniques.  
C++, Z3 SMT Solver, ARM Assembly, Symbolic Execution  
Jun 2019 - 2019