

Work Experience	
University of Maryland - PLUM	Aug 2022 -Present
Graduate Research Assistant	
Working with Leonidas Lampropoulos on the intersection of Property Based Testing, Fuzzing, and Formal Verification.	
Amazon Web Services Privacy Engineering Team - Automated Reasoning	May 2022 -Aug 2022
Applied Science Intern	
Implemented of a novel encryption scheme on top of the AWS Encryption SDK.	
Python, Dafny, AWS Encryption SDK	
University of Maryland - Maryland Cybersecurity Center(MC2)	Jul 2020 -Dec 2020
Research Intern	
Program Synthesis, Automatic Exploit Generation	
Havelsan	Jul 2020 -Apr 2020
Part-Time Engineer	
Designed and implemented a novel bandwidth detection and optimization algorithm for a video-conference application.	
Javascript, React	
Emproof	Jun 2019 -Sep 2019
Embedded Security Engineering Intern	
Worked on translation validation of binary obfuscation techniques.	
C++, Z3 SMT Solver, ARM Assembly, Symbolic Execution	