

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