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OBJECTIVE

To obtain a co-op position, in the Summer of 2018, where I can put to practice the skills learned through my education and work experience to further enhance my knowledge in the Computing Security/Science/ Mathematics field.

COMPUTER SKILLS

Languages

- Proficient in: Python, Javascript, Java, C, MIPS Assembly
- Familiar with: C#, MYSQL

Software

- Databases: SQL, MongoDB
- Tools: ELK, libsodium

WORK EXPERIENCE

Junior Security Engineer Summer 2016
KeyW Corporation

- Performed Java Reverse Engineering for security assessment
- Responsible for full-stack development of new assessment tool
- Propelled user stories into requirements, that could then be delegated
- Created a RESTful API for a Quantum Random Number Generator

Cryptography Engineer Intern Summer 2017
Indeed.com

- Performed Cryptographic assessment of current practices
- Co-authored the Indeed Cryptography Recommendations (Internal Policy)
- Assisted with Data Enrichment in the SIEM
- Began a data analytics project (One Class SVM) for anomaly detection in the SIEM

RELEVANT COURSE WORK & PROJECTS

- Implemented an Elliptic Curve Cryptosystem (Java/Python)
- Wrote a Recursive puzzle solver implementing the Backtracking Algorithm (MIPS)
- Wrote a load/object module editor in MIPS R2000 (C)
- Wrote a script to generate Ciphertext from different AES modes and represent them as a PNG (Python)
- Wrote an implementation of the Polland's Rho, Pohlig-Hellman, and Shanks Algorithm(Java/Python)
- Wrote an Angular2 app that was run in an Electron Environment for Security Assessments.

EDUCATION

Rochester Institute of Technology 2014-Present
Rochester, NY

- BS/MS, Computing Security & BS Computational Mathematics
- Current GPA: 3.63

Marianapolis Preparatory School 2010-2014
Thompson, CT

- GPA: 3.50