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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 KeyW Corporation   * Performed Java Reverse Engineering for security assessment * Responsible for full-stack development of new assessment tool | | Summer 2016   * Propelled user stories into requirements, that could then be delegated * Created a RESTful API for a Quantum Random Number Generator | | |
|  | Cryptography Engineer Intern Indeed.com   * Performed Cryptographic assessment of current practices * Co-authored the Indeed Cryptography Recommendations (Internal Policy) | | Summer 2016   * 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 Rochester, NY   * BS/MS, Computing Security & BS Computational Mathematics * Current GPA: 3.63 | | | | 2014-Present |
| Marianapolis Preparatory School Thompson, CT   * GPA: 3.50 | | | | 2010-2014 |