

## OBJECTIVE

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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.

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## COMPUTER SKILLS

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### Languages

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

### Software

- Databases: SQL, MongoDB
  - Tools: ELK, libsodium
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## WORK EXPERIENCE

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### Junior Security Engineer

*KeyW Corporation*

Summer 2016

- 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
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### Cryptography Engineer Intern

*Indeed.com*

Summer 2016

- 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
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## RELEVANT COURSE WORK & PROJECTS

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- 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 Pollard's Rho, Pohlig-Hellman, and Shanks Algorithm (Java/Python)
  - Wrote an Angular2 app that was run in an Electron Environment for Security Assessments.
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## EDUCATION

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### Rochester Institute of Technology

*Rochester, NY*

2014-Present

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

### Marianapolis Preparatory School

*Thompson, CT*

2010-2014

- GPA: 3.50
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