Allison Howe

Software Engineer

📞 513 716 7995
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📍 Columbia, MD

EDUCATION

B.S. Computer Science
Minor Mathematics

Virginia Tech - Dean's List Spring 2016, Fall 2016

📅 08/2014 - 05/2018

- Facebook's Codepath Cybersecurity Course
- Cryptography
- Data Structures and Algorithms
- Computer Organization
- Combinatorics and Discrete Mathematics

GPA
3.12 / 4.0

EXPERIENCE

Software Engineer

Vulnerability Research Labs

📅 07/2018 - Ongoing   📍 Columbia, MD

- Lead development and UI design of cybersecurity web product.
- Used C to update legacy product with new software and leveraged CS/math background to incorporate stronger cryptography algorithms

Software Engineering Intern

Cisco

📅 06/2017 - 08/2017   📍 San Jose, CA

- Led front end web development and UI design on an internal tool for my team's Director from the ground up.

VeloCloud Networks - Intern

Mountain View, CA

📅 03/2016 - 08/2016

- Improved company efficiency by reducing an 8 hour task to 20 minutes using Java for data mining and web scraping.

GE Aviation - Intern

Cincinnati, OH

📅 06/2015 - 08/2015

- Increased airline safety by reducing number of false positive distressed engines by 30% using new unique thresholds I designed.

TECHNOLOGIES

Java | React.js | Swift | C
HTML5 | Python | CSS | Node.js
AWS | Wireshark | Burp | Django

ACHIEVEMENTS

🏆 **Cisco Connected Recognition Award**
Director's $500 Award for outstanding work

🏆 **Facebook Scholarship Recipient (x4)**
My Facebook cybersecurity class performance resulted in scholarships to attend the Enigma conference twice, Women in Cybersecurity Conference, and F8.

🏆 **2017 Grace Hopper Celebration Anita Borg Institute Scholar**

PROJECTS

System Status Web Service

📅 12/2017

Built a web server in C with persistent connections as per the HTTP/1.1 protocol. Learned about HTTP and TCP protocols to provide a basic HTTP web service that publishes a Linux system's status via the /proc file system.

Amazon Alexa Skill Challenge

📅 01/2017

🔗 goo.gl/HWOHe2
https://github.com/ahowe29/Hokie-Helper

- Hokie Helper is a certified skill designed to help answer questions from Virginia Tech Students.