

## EDUCATION

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### University of Maryland

*Bachelor of Science in Computer Science*

*Bachelor of Science in Materials Science and Engineering*

College Park, MD

*Anticipated: December 2020*

**Relevant Coursework:** Advanced Data Structures, Computer and Network Security, Database Design, Human-Computer Interaction, Data Science, Software Engineering

**Extracurriculars:** President of Chinese Student Association, Associate of CIVICUS Living and Learning Program, Volunteer of UMD Tzu Ching

## EXPERIENCE

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### • Capital One Financial Corporation

McLean, VA

*Software Engineering Intern*

*May 2020 - August 2020*

- Engineered automation features for an interactive Slack channel bot to free up support engineers' time and provide business value.
- Implemented user-friendly styled static HTML page generation for a existing tool used to debug complex projects built on an internal developer framework.
- Developed unit and integration testing using Mocha to ensure code quality.
- Utilized Javascript, NodeJS, AWS Lambda and S3, Git, Maven and Enterprise Jenkins.
- Leveraged knowledge in AWS cloud services, CI/CD tools, and external/internal Capital One APIs.

### • Aeongo Technologies

Englewood Cliffs, NJ

*Software Developer Intern*

*May 2019 - August 2019*

- Led two other interns on the back-end development of a RESTful API microservice that would support an early childhood development product.
- Deployed a dynamic content priority and delivery algorithm that was the cornerstone of forward-facing user experience.
- Utilized Java SpringBoot Framework, Git, and PostgreSQL.
- Created automated UI testing using Appium to ensure code quality.

## PROJECTS

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- **Personal Portfolio Website:** Built with React, Gatsby and Netlify.
- **Secure Bank ATM System:** Designed and engineered a secure bank, ATM, and router system in C that was resilient to various cybersecurity attacks.
- **Analysis of Professional Counter-Strike Global Offensive Circuit:** Created a Python tutorial on the entire data science pipeline from data sourcing, data processing to generating a predictive model on the future performance of a Counter-Strike team.

## PROGRAMMING SKILLS

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- **Languages:** Java, Javascript, C, Python, OCaml, Ruby
- **Technologies:** AWS, Docker, Git, Jenkins, Maven, NodeJS, React, Spring, Unix