[redacted]

## EDUCATION

**University of Maryland, College Park** **Graduation: May 2020**

- Bachelor of Science, Computer Science **3.51 GPA**
- Banneker/Key Scholar (full tuition scholarship awarded to top 1% of UMD students)
- Advanced Cybersecurity Experience for Students (ACES) Honors Program

**Relevant Coursework**: Algorithms, x86-64 Architecture Reverse Engineering, Computer Systems, Discrete Structures, Programming Languages, Calculus I, II, III, Linear Algebra, Applied Statistics

## SKILLS

- **Languages** - Java, Python, JavaScript, C, Bash, R, OCaml, Ruby, Rust, SQL
- **Systems** – UNIX, Linux, PBS/Slurm Supercomputing clusters
- **Technologies** – AWS Lambda, Amazon Lex + Polly, Snowflake, Node.js, Express.js, OpenCV

## EXPERIENCE

**T. Rowe Price** | Software Engineering Intern **June 2018 – August 2018**

- Developed an Amazon Alexa platform voice assistant to deliver fiscal analytics to internal teams
- Utilized Amazon Lex + Polly for the natural language processing and text-to-speech frontend
- Used the AWS Lambda platform for backend query processing and data retrieval
- Developed a pipeline to consolidate confidential, regulated data from sources such as Tableau, Alteryx, and Snowflake Database to Amazon S3

**National Cancer Institute** | Data Science Intern **June 2016 - June 2017**

- Developed software on a team with senior developers to predict three-dimensional RNA molecular structure using statistical modeling in R and atomic simulations in Java
- Utilized supercomputing clusters such as the NIH Biowulf for data generation and analysis
- Worked full-time during the summer of 2016, part-time during the school year

## PROJECTS

**werp.io** | Independent Game Developer

- Developed a cross-platform multiplayer browser game with Node.js, Express.js, and Phaser.io
- Designed and deployed a network topology with custom load-balancing servers implemented alongside HAProxy to balance high volume WebSocket traffic while maintaining low latency
- Integrated Google Analytics for traffic insight and potential advertising revenue optimization
- Reachable at http://www.werp.io or werp.io with any modern browser

**noSNOOZ** | Contributor

- Architected service which identifies high-activity Reddit posts and notifies subscribers by SMS
- Integrated Node.js server with Reddit API to return candidate posts unique to user preferences
- Source available at https://github.com/CBSkarmory/noSNOOZ

**Other Projects:** [redacted]