

## EDUCATION

University of Virginia School of Engineering and Applied Sciences (UVA SEAS) – Charlottesville, VA 2020

- B.S. in Computer Science (CS), minor in Applied Mathematics and Entrepreneurship

## INTERNSHIP EXPERIENCE

Google – New York, NY *Software Engineering Intern* Summer 2019  
*Working on Compliance, GCloud CorpEng*

**(Java, Protocol Buffers, Stubby RPC, Typescript, Angular, RxJS)**

- Building a user-facing web application to output the results of an ML backend in human readable form
- Designing and developing a Stubby RPC service to handle conversion of deprecated to current protocol buffers
- Refactoring existing code to reduce network calls with better use of observables and remove flaky tests
- Acting as assistant manager of younger interns on project

Google – San Francisco, CA *Engineering Practicum Intern* Summer 2018

*Worked on BuildDoctor, a scalable build analysis framework, developing features and testing framework in production*

**(Java, Bazel, Protocol Buffers, Spanner, Asynchronous Java, Stubby RPC)**

- Built analyzer to report total output artifact size for builds, used in monitoring and regression alerting
- Developed bisection tool to identify specific sources of regression using configurable build metrics and thresholds
- Enabled support for additional build parameters, expanding enrollment to other projects across Google
- Developed a more intelligent project enrollment system, allowing for user-defined configuration over hard-coding

Innovative Defense Technologies – Arlington, VA *Software Engineering Intern* Summer 2017

- Developed a web application to analyze test results of a software, decreasing user effort and test time by 70%
- Implemented full-stack technology (**Javascript, Typescript, jQuery, Wildfly10, Java**) to provide continuous integration of code coverage analysis to the user

- Developed a plugin that uses **Java Jooq** to access a database and **Backbone.js** to process and display data

Curie Learning LLC. – Herndon, VA *Curriculum Developer and Part-Time Teacher* Summer 2016

- Developed **Java** curriculum for first-time programmers studying at Curie Learning

US Army Corps of Engineers Geospatial Research Lab – Alexandria, VA *Student Intern* Summer 2015

- Developed a program that implements fuzzy searching algorithms in **Java** to clean and standardize datasets

## PROGRAMMING EXPERIENCE

Mobile App Development 2014 – present

- Developed apps for analyzing change over time, taking group meal orders, teaching children math, tracking business leads for a global Fortune 500 Company, and tracking health data trends for a start-up health company

Mobile and Web App Development Research Lab *Researcher* 2015 – 2017

- Designed an infrared sensor and mobile application (**Javascript, HTML, BASIC**) utilizing RFduino and Internet of Things technology to conduct a study countering date-rape drug abuse

## CODE SKILLS

Java, Swift, Python, PHP, SQLite, Javascript, HTML/CSS, jQuery, C++  
 Typescript, GitBash, Wildfly10, Bootstrap, Backbone.js, Java Jooq, C

## LANGUAGE SKILLS

Hindi, fluent  
 German, proficient

## TECHNICAL SKILLS

Excel, PowerPoint, Word, Publisher, Matlab, Mathematica

## DESIGN SKILLS

Photoshop, Illustrator, InDesign, Lightroom

## LEADERSHIP

Hackers@UVA *Co-President, Outreach and Communications, Executive Board* 2016 – present

- Organizing and hosting annual college hackathon, 550 attendees from 46 universities, \$80,000 budget
- Building the hacking community at UVA by promoting and providing access to hackathons around the country

Jazba Bollywood Dance Team *Co-Captain* 2016 – present

- Choreographing dances, organizing performances, running practices, and instructing team members

Engineering Student Council *Co-Director of Communications* 2016 – 2018

- Coordinating inter-school communications, beginning, designing, and publishing an annual yearbook
- Organizing and volunteering at events for UVA SEAS, planning food and activities for 200-600 attendees