Disha Jain

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EDUCATION

University of Virginia School of Engineering and Applied Sciences (UVA SEAS) – Charlottesville, VA   2020
- Expected B.S. in Computer Science (CS), minor in Applied Mathematics and Entrepreneurship

EXPERIENCE

Google – New York, NY Software Engineering Intern   Summer 2019
Worked on GCloud Legal Compliance alpha product to be used by the Google Legal Team
(**Java, Typescript, RxJS, Protocol Buffers, Stubby RPC, Angular**)
- Developed web interface for legal team to manage warrants from law enforcement requesting user data
- Designed and developed an RPC service converting deprecated protocol buffers to enable migration of data from current system to the upgraded alpha system in development
- Refactored code to reduce network calls per page load by 95% with better use of observables
- Migrated integration tests to a newer test framework that reduced flakiness and increased test coverage
- Helped train and guide team's Engineering Practicum Interns in good coding practice and fixing individual bugs

UVA Department of Computer Science – Charlottesville, VA Teaching Assistant   2018 – Present
- Taught data structures and algorithms in **C++, C,** and **Assembly** for CS 2150: Program and Data Representation
- Developed features for course website in **PHP** to reduce user fatigue experienced by TAs by 75%

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 an 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

Mobile and Web App Development Research Lab – Alexandria, VA Researcher   2015 – 2017
- Built 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

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

CODE SKILLS

Java, Asynchronous Java, C++, C,Swift, Python, PHP, SQLite, Javascript, Typescript, jQuery, RxJS, Backbone.js, Angular, HTML/CSS, Bootstrap, Git, Wildfly10, Protocol Buffers, BASIC

LEADERSHIP

Hackers@UVA Co-President, Outreach and Communications, Executive Board   2016 – present
- Organizing annual college hackathon, 550 attendees from 46 universities, $80,000 budget

Jazba Bollywood Dance Team Co-Captain   2016 – present

Engineering Student Council Co-Director of Communications   2016 – 2018
- Organizing events for UVA SEAS, planning food and activities for 200-600 attendees