Rohan Upponi

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OBJECTIVE

Recently graduated problem solver that loves difficult challenges and learns by building. Programming primarily with Java, I have done professional large-scale development work with AWS and have experience developing multiple Android apps. I enjoy the thrill of expanding on what I learn within my personal projects and aspire to bring not just my current skills, but an open mindset always ready for the next challenge.

EXPERIENCE

Capstone Intern at Scientific Technologies Corporation (STC)

(August 2018 – May 2019)

- Developed API and interface for backend AWS Lambda services.
- Set up CDN delivery of front-end web application using AWS CloudFront for hosting.
- Automated AWS infrastructure for immediate deployment and simple scaling of the backend services using AWS CloudFormation, capable of addressing millions of STC's current or potential users.

Software Development Intern at Intel Corporation

(May 2018 – February 2019)

- Developed an extensive unit-level testing framework that eliminated firmware scaling issues and improved widespread error detection across firmware for Intel Optane memory modules through development of extensive unit-level testing using the Unity testing framework.
- Wrote hardware optimizations through close communication with hardware team on detailed hardware specifications.

Undergraduate Research Assistant at CUbiC@ASU

(January 2018 – June 2018)

- Developed and tested a GUI to interface with haptic sensors integrated into multiple projects aimed at guiding the visually impaired.

Software Development Intern at Arizona Supreme Court

(June 2017 – August 2017)

- Created a GUI viewing tool for querying a SQL database of court cases, streamlining front-end interaction with digital database and formatting cases to different templates based on case type.
- Created and implemented test scripts to debug the v 47.0 system update of the Supreme Court Case Management System.

Undergraduate Teaching Assistant at Arizona State University

(January 2017 – May 2017)

- Improved student grades by an average of one letter grade through hosting crash-course review sessions for students outside lecture to aid in developing more intuitive understanding of object-oriented programming with Java.

SKILLS

Programming Languages

Java, C++, C (*proficient*)
Python, SQL (experienced)
HTML, CSS, Javascript (experienced)

Platforms

Google Cloud Platform

- Google Firebase, Firestore

Amazon Web Services

- Lambda, API Gateway, CloudFront, CloudFormation

EDUCATION

Barrett Honors College at Arizona State University

(Fall 2015 – Spring 2019)

BS in Computer Science

Cum Laude
Cumulative GPA: 3.41

PROJECTS

Scriber

An Android application that allows users to create personal medical portfolios and archive easily forgotten medical information to have easy access to in medical visits.

FyBar

A Chrome extension built using the Spotify Web API to offer easy access to Spotify Web player playback.