

Shubha Rajan Arehalli

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Summary

Full-stack software developer and experienced STEM education professional looking to bring strong technical, communication, and presentation skills to an entry level engineering role. In previous jobs, I have written curriculum that explains highly technical concepts to wide audiences, including children and non-technical adults. At Ada Developers Academy I worked both individually and in teams to build apps from user stories in fast (1-2 week) turnaround times, following Test Driven Development and Agile practices.

Skills

Programming languages: Python, Ruby, Javascript/Typescript, HTML, CSS (Sass), Dart

Frameworks: Rails, Flask, Angular, React, Bootstrap, JQuery, Flutter

Technologies: Git, MongoDB, Heroku, Google Cloud Platform, Unity,

Projects

Playlist for Two

A mobile app built with Flutter, Flask, and MongoDB to generate playlists based on the intersection of two users' listening histories on Spotify. Developed independently as a capstone project for Ada Developers Academy.

Samoyed Captcha

A browser game in which a user tries to distinguish between two Samoyed Dogs more accurately than a machine learning model. Developed as a mobile-first web app using Angular, Flask, Google Cloud SQL, Google Cloud AutoML, Google Cloud Storage, and Google Cloud Vision API. Built in collaboration with a colleague at Google.

HaCKSy

A satirical but functional e-commerce website built with Ruby on Rails, which includes an accessible user interface, and a back-end inventory management system. Developed by a team of 4 in a two week sprint as a project for Ada Developers Academy

Education

Software Developer Training, Ada Developers Academy (Seattle, WA)

Feb. 2019 - Present

One of 48 students selected for Cohort 11 of Ada Developers Academy, a selective training and internship program for women, non-binary and gender diverse individuals to transition their career into tech.

B.S. Neurobiology, Physiology, and Behavior, University of California, Davis (Davis, CA)

Sept. 2011 - June 2016

Coursework included Organic Chemistry, Anatomy, Physiology, Molecular and Cellular Biology. Cognitive Psychology, and Neuroscience

Employment Experience

Developer Programs Engineer Intern, Google, Seattle, WA

August 2019 - Present

- Developed tutorials, code samples, and friction logs for Google Cloud Platform products
- Contributed features to the open source Google Cloud Python client libraries
- Currently building a BigQuery JupyterLab extension which provides a more seamless user experience for notebook users

Engineering Curriculum Developer, Technovation (formerly Iridescent), Los Angeles, CA

November 2017 - August 2018

- Developed hands-on lessons, which bring current STEM research in fields including nanoscience, robotics, machine learning, and environmental science, into the classroom.
- Facilitated family science nights which connected members of the STEM community with low income Schools in Los Angeles

Americorps VISTA: Project Coordinator, Maker Education Initiative/ReCreate, Roseville, CA

October 2016 - October 2017

- Piloted Maker Ambassadors, a formal internship/volunteer training program that trained 16 high school students in use of makerspace technologies
- Lead curriculum development and instruction for a 3D design and prototyping camp
- Leveraged monetary and in-kind resources through grant-writing

Volunteer Experience

Maketeer, Seattle Makers, Seattle, WA

March 2019 - Present

- Trained members and volunteers in the use of makerspace technologies like 2D/3D design software, 3D printing, and laser etching
- Lead outreach efforts including weekly tours and demos, tabling at South Lake Union Market, and social media posts