KRISTOPHER ROLLERT

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EDUCATION

University of California, Santa Cruz
B.S. Computer Science &
B.A. Computational Mathematics
Spring 2020 | 3.76

RELEVANT COURSEWORK

Intro to Software Engineering
Abstract Data Types
Algorithm Analysis
Data Structures

SKILLS

Languages JavaScript, Node.js, Python, Java, Git, SQL
Software Adobe Suite, Microsoft Office, G Suite

EXPERIENCE

Research Assistant, USC | June - September 2018
Developed algorithm for optimal multi-stop customer/driver matching for Huawei
Helped write and edit paper submitted to multiple conferences
Programmed algorithm and benchmarks for experiments and analyzed results
Created demo for commercial use using Javascript + Python

Web Developer, Student Media | November 2016 - Present
Translated organization leaders site ideas into working prototypes
Designed, maintained, and reworked six newspaper organization's websites
Taught organization leaders basic site management and web design
Established and maintained Student Media's Apache server

PROJECTS

Aqustic | Team Leader & Full Stack Developer
Lead a four person team to create a collaborative music queue through a web application deployed on Heroku. Integrated Spotify's API to play songs.
// JavaScript (ES6), Node.js, Express, MongoDB

Kyphs | Full Stack Developer
Worked with a team to create 3D printed set of sensors placed along the user's spine to gather data about the user's posture for correctional and medical use. Information and visuals are displayed on live-updated web application.
// JavaScript, Node.js, jQuery, HTML, CSS