

# KAILAS KRIVANKA

## SOFTWARE ENGINEER



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📍 Bay Area, CA

### ACADEMIC BACKGROUND

#### UNIVERSITY OF CALIFORNIA - SANTA CRUZ

##### B.S in Computer Science | 2018-2021 (Current)

- UCSC College Scholars Honors Program
- MEP (MESA Engineering Program)
- Dean's Honors
- ACM, CruzHacks

##### Notable Courses:

- Data Structures and Algorithms
- Computer Architecture and Assembly
- Software Engineering and Design

### CERTIFICATIONS

#### Android Development Course | 2016

📄 Certificate

#### Java Programming Masterclass | 2015

📄 Certificate

### SKILLS

- Back-end development with **Node.js/Express.js** and **PHP**
- API design and **RESTful** web services
- Experience with **GCP**, **Firebase**, and **AWS EC2/Lambda**
- Software development practicing **Agile** methodologies and **SCRUM**
- Programming using **C**, **RISC-V**, and **UNIX**
- Object Oriented design with **Java** and **Dart**
- Leadership and collaborative problem solving
- Web development technologies **HTML/CSS/JS/JQuery**
- Experience with **Alexa/Google Assistant** skills and actions
- Mobile development experience with **React Native**, **Flutter**, and native **Android** APIs

### LEAD SOFTWARE DEVELOPER

#### HitchHike | 9/2019-Current | React Native/Node.js/AWS

- Working as a full-stack developer building a cross-platform mobile ride matching application for students using Node.js and React Native
- Working on a team practicing Agile methodologies and SCRUM
- Project uses a custom database written in Node.js

### DIRECTOR OF INSTRUCTION

#### Google Developer Student Clubs | 10/2019-Current | GCP

- Director of Instruction for the UCSC chapter of the Developer Student Clubs powered by Google Developers
- Organized and led Cloud Study Jams teaching cloud development using GCP, VMs, and Kubernetes

### LAB INSTRUCTOR - CSE 101: ALGORITHMS

#### UC Santa Cruz | 10/2019-Current | C/Unix

- Lab Instructor for CSE 101: Algorithms and Abstract Data Types
- Concepts including Unix CLI, Graph Theory, and Data Structures
- Led technical instruction in algorithm programming in C, Big O algorithm complexity analysis

### AWS CLOUD DEVELOPER

#### Questions For Change | 01/2019 | AWS/Firebase/Flutter

- Developed back-end for Alexa skill and app using AWS Lambda
- Worked on a team developing an Alexa Skill and Google Assistant Action voice assistant game that donates money to charity
- Created cross-platform mobile companion apps using Google's Flutter allowing users to manage their account directly

### FLUTTER DEVELOPER 🔗

#### Flutter Chat | 12/2018 | Flutter/Firebase/Dart/JS

- Developed cross-platform mobile messaging app using Google Flutter
- Used Firebase realtime database as a back-end for storing messages

### BACKEND DEVELOPER 🔗

#### Pixel Sheet | 3/2018 | Node.js/JS/HTML/CSS/Sheets API

- Developed back-end for a Google Drive extension using Node.js on Red Hat OpenShift for inserting images into Google Sheets
- Created web interface for uploading images and managing options
- Wrote RESTful back-end that accepts an image and averages color data across different numbers of cells

### ANDROID DEVELOPER 🔗

#### Average Weather | 8/2016 | Android/Java/XML/PHP

- Built Android weather app using Java and material design principles
- Wrote custom back-end in PHP that provides weather data to app
- Used public weather APIs to access and aggregate data