

KAILAS KRIVANKA

SOFTWARE ENGINEER

✉ me@kailas.dev

🔗 kailas.dev

📞 5104807215

🌐 /kailaskrivanka

🐙 github.com/kailask

📍 Bay Area, CA

ACADEMIC BACKGROUND

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

B.S. in Computer Science | 9/2018 - 6/2021

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

PROJECTS

HttpServer | 6/2020 | C/Unix/Sockets/HTTP

- Developed a multithreaded Unix HTTP server in C.
- Used linux pthreads for multithreading allowing the server to handle multiple simultaneous requests.

Open UV Map | 1/2020 | Node.js/Azure/Arduino

- Created prototype for system monitoring and visualizing UV data scaling to visualize many sensors.
- Used Arduino UV sensor to measure real-time data.

HitchHike | 12/2019 | React Native/Node.js/AWS

- Built a cross-platform ride matching app for students.
- Team practiced agile and scrum methodologies.
- Project used a custom database written in Node.js.

Questions for Change | 1/2019 | AWS/Flutter

- Wrote backend for Alexa skill and app on AWS Lambda.
- Developed an Alexa Skill and Google Assistant Action voice assistant game that donates money to charity.
- Created mobile companion apps using Google's Flutter.

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

- Developed cross-platform messaging app using Flutter.
- Used Firebase realtime databases as storage backend.

Pixel Sheet | 3/2018 | Node.js/HTML/OpenShift

- Created Google Sheets extension for inserting images.
- Wrote RESTful backend that averages image color data across cells and web interface for managing options.

SKILLS

Proficient	Java, C, JavaScript, Python, HTML, Node.js, Android, Flutter, Unix, Docker, Git, AWS, GCP, REST, Agile, OOP
Familiar	C++, Go, Dart, PHP, TypeScript, Bash, CSS, React Native, Kubernetes, Jest, Jenkins, Keras, Azure, Heroku, MongoDB, Firebase

PROFESSIONAL BACKGROUND

SOFTWARE ENGINEERING INTERN

Box, Inc | 6/2020 - 9/2020

- Developed Box integration for G Suite deployed to ~300K users in partnership with Google Docs.
- Integration allowed users to browse Box content across G Suite as well as save files from Google Drive to Box.
- Joined the Partner Engineering team building product integrations that drive user retention and stickiness.
- Collaborated with teams across Box from Engineering, Product, and Design to plan and implement features.
- Utilized TypeScript and Jest to write unit testing with Git and Jenkins for continuous deployment.

UNDERGRADUATE RESEARCHER

Baskin School of Engineering | 1/2020 - Current

- Joined research project developing a new ephemeral storage framework for serverless applications.
- Collaborated with researchers at the Center for Research in Storage Systems at UC Santa Cruz.
- Setup AWS infrastructure and Kubernetes for benchmarking serverless workloads on AWS Lambda.
- Redesigned GG tool for running massively parallel tasks as Lambda functions to support new storage backend.

SOFTWARE ENGINEERING INTERN

Cisco Systems, Inc | 1/2020 - 6/2020

- Worked with Cisco Umbrella to develop a new fast and secure VPN prototype using the WireGuard protocol.
- Built tunnel manager handling incoming connections and routing traffic securely between many VPN servers.
- Research project designed to be integrated into existing Cisco Umbrella cloud delivered security infrastructure.
- Used Golang, Docker, and Bash to build WG VPN client.
- Led a team practicing agile and scrum methodologies.

LAB INSTRUCTOR - CSE 101: ALGORITHMS

UC Santa Cruz | 10/2019 - Current

- Lab Instructor for CSE 101: Algorithms and ADTs.
- Taught Unix CLI, Graph Theory, and Data Structures.
- Led technical instruction in data structure programming in C, Big O algorithm complexity analysis.

DIRECTOR OF INSTRUCTION

Google DSC @ UC Santa Cruz | 10/2019 - 6/2020

- Served as the Director of Instruction for the UCSC chapter of the Google Developer Student Clubs.
- Led Cloud Study Jams and workshops teaching cloud development using GCP, VMs, Kubernetes, and ML.