

KRISHNA PANDIAN

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EXPERIENCE

Undergraduate Research Assistant

Software Developer

June 2020 – Present

- Working in a PHD research lab emphasizing on improving Verilog simulator efficiency
- Modulated code and built test harnesses in C++ and Scala

Tech4Good Research Assistant

Web Developer

March 2020 - Present

- Worked on Web Development team and built UI/UX components with the Angular Framework in a CI/CD environment
- Developed 10+ UI components from Figma designs with HTML, SCSS, and TypeScript

CSE Reader

Computer Architecture

April 2020 – June 2020

- Graded assignments and developed solutions for Computer Architecture course
- Hosted tutoring sessions and explained a variety of concepts

CSE Tutor

Computer Systems and Assembly Language

September 2019 - March 2020

- Taught the fundamentals of computer systems and assembly language
- Debugged and developed solution keys to various programming assignments done in MIPS and Logic Design simulations

ACTIVITIES

CruzHacks Logistics Operation Manager

April 2019 – Present

- Organized UC Santa Cruz's largest hackathon bringing 600+ competitors together to host one of CA largest hackathons
- Managed Logistics for the events ranging from funding, food, data management, and workshop curriculum

Society of Asian Scientists and Engineers Treasurer

April 2019 - Present

- Organization around promoting Asians in STEM. Provided opportunities to develop and learn industry skills
- Managed funding and earned \$4,000+ through grants for the UCSC chapter

SUMMARY

I am a passionate and motivated developer looking to get into software development. I am adaptable and love learning new technologies with a team.

TECHNICAL SKILLS

- Programming Languages: Python, C, Javascript/Typescript, C++, Scala, Shell, Verilog, HTML, CSS/SCSS
- Tools and Technologies: NodeJS, ReactJS, AngularJS, Git, Firestore, AWS, NoSQL, SQL, Linux, REST, Networking

EDUCATION

University of California Santa Cruz

B.S Computer Engineering GPA: 3.86

September 2018 – June 2022

PROJECTS

Universal Send

- REST API developed with NodeJS that allows for users to make posts to multiple platforms at the same time quickly and easily
- Utilized Twitter, Reddit, and Facebook Graph API to allow posting to user platforms

ChatRoom

- Web Application that allows users to communicate and message each other easily in a room based format
- Built with ReactJS as Frontend, Express as Backend, Socket.io, HTML, and SCSS

Microwave Alexa Hack

- Awarded Best IOT Hardware Hack and Best use of a Qualcomm Device @ SloHacks
- Modified a microwave and gave it Alexa functionality
- Worked on logic design to modify microwave wiring, developed Python dictionary to interface with JSON, worked on arduino locking mechanism, and deployed with AWS

New York Times Subscription Service

- Recreation of the NYT Subscription service with personalized mailing using Python
- Used the BS4 library to scrape the NYT
- Formatted and sent emails with SMTP