

Krishna Pandian

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Education:

University of California Santa Cruz

B.S: Computer Engineering College Scholar's Program GPA: 3.86 September 2018- June 2022
Coursework includes: Introduction to Data Structures and Algorithms, Computer Systems and C Programming, Introduction to Logic Design, Computer Architecture, Introduction to Computer Networking, Advanced Computer Networks

Work Experience:

- Undergraduate Researcher/Software Developer- VAMA* *June 2020-Present*
- Worked on a project called Essent which produces hardware designs given a hex file
 - Implemented software to interact and test Scala modules using C++ and function with newest version of Chisel
 - Modulated and refactored code to be significantly more readable and organized
- Undergraduate Researcher/Web Developer -Tech4Good* *March 2020-Present*
- Worked on web development team to build Tech4Good website and Relate. a social networking platform
 - Created UI/UX components using Typescript, HTML, SCSS in the AngularJS framework
 - Designed 10+ UI components from Figma designs in a CI/CD environment
- Computer Architecture Course Reader* *March 2020- June 2020*
- Graded assignments and verified solutions to homework and exams
 - Provided mini tutoring sessions to help people understand Computer Architecture related concepts
- Computer Systems and Assembly Language Course Tutor* *September 2019- March 2020*
- Debugged students MIPS code and Logic Design, and made solutions to these assignments
 - Held tutoring sessions of 40+ students and taught the fundamentals of Assembly Language
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Projects:

- Universal Send*
- REST API that allows users to make multiplatform posting quickly and easily
 - Developed Frontend with ReactJS, HTML, SCSS, backend with NodeJS and Express
 - Utilized Facebook Graph API, Twitter API, Reddit API, and Imgur API to create post and delete endpoints
- Microwave Alexa Hack*
- Awarded Best IOT Hardware Hack and Best Use of a Qualcomm Device at SLOHacks
 - Modified a Microwave and gave it Alexa functionality and a web application to allow for automatic cooking
 - Utilized python to send responses from a dictionary and rewired the microwave to a Dragon Board
- New York Times Subscription Service*
- Recreated the NYT subscription service that scrapes the NYT content and sends emails with the latest content
 - Created with Python, scraped with the BS4 module, and sent emails using networking protocol SMTP
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Extra-Curricular Activities:

- CruzHacks Logistics Operation Manager* *April 2019- Present*
- Hosted UC Santa Cruz's annual hackathon, bringing 600+ students all across the nation for one of California's largest 36 hour hackathon
 - Organized logistics, funding, workshop curriculum, and community outreach
- Society of Asian Scientists and Engineers Treasurer* *April 2019- Present*
- Organization focused around promoting Asians in STEM. Provided opportunities for students to learn industry skills and break down the barriers and stereotypes surrounding being an Asian student in STEM
 - Managed chapter funding and raised over \$4000 through grants and fundraising
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Relevant Skills:

Skilled: Python, C, C++, JavaScript, ReactJS, Firestore, HTML, CSS/SCSS
Proficient: Shell, REST, AWS, NoSQL, Embedded Systems, Verilog
Basic: SQL, Scala, AngularJS