Krishna Pandian

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Education:

University of California, Santa Cruz

Bachelor of Science: Computer Engineering   GPA: 3.85   *September 2018- June 2022*

Coursework: Data Structures and Algorithms, Advanced Computer Networks, Principles of Computer System Design, Databases Systems I, Computer Architecture, Logic Design, Embedded Systems and C Programming

Planned: Artificial Intelligence, Network Programming, Intro to Software Engineering

Work Experience:

Incoming Software Engineering Intern – JPMorgan Chase   *June 2021-August 2021*
- Expected Team: Backend Services

Software Developer - VAMA   *June 2020-Present*
- Worked on a project called ESSENT an RTL simulation for testing CPU components
- Implemented software to interact and test Scala modules using C++ and function with various CPUs
- Created shell script to automate 40+ Scala tests and reduce testing time by an hour per code change

Web Developer - Tech4Good   *March 2020-September 2020*
- 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

Computer Systems and Assembly Language Course Tutor - Baskin Engineering   *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

Projects:

Universal Send Web App
- REST API that allows users to make multiplatform posting quickly through a web application
- Developed Frontend with ReactJS, HTML, SCSS, backend with NodeJS and Express
- Utilized Facebook Graph API, Twitter API, Reddit API, and Imgur API to create various 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

Extra-Curricular Activities:

CruzHacks - Logistics Operation Manager   *April 2019- Present*
- Hosted UCSC's annual hackathon, bringing 600+ students across the nation for one of CA largest 36 hour hackathon
- Managed logistics for the event, outreached to engineering teams to develop site

Society of Asian Scientists and Engineers - Engineering Vice President   *April 2019- Present*
- Organization focused around challenging Asian stereotypes and provided opportunities to learn industry skills
- Hosted technical and non-technical workshops and organized speaker events for chapter
- Managed chapter funding and raised over $4000 through grants and fundraising

Relevant Skills:

Languages: Python, C, C++, JavaScript, Typescript, HTML, CSS/SCSS, Scala, Shell, Java

Tools and Technologies: REST, Firebase, MongoDB, AWS, NoSQL, SQL, Git

Frameworks and Libraries: React.js, Angular.js, Express.js, Flask