Krishna Pandian

Computer Engineering major, develop and design systems, and work alongside a passionate community aiming to develop new products. Love learning new programming languages and looking for an environment to work on hardware and software projects. I am interested in working in Embedded Systems, Software Development, and Data Science.

EXPERIENCE

Target — *Electronics Support Associate*

June 2018 - December 2018

Managed Hardlines and Electronics Equipment within a team, Assisted guests with electronic issues and questions

ACGov — *Polling Clerk Intern*

October 2016 - November 2016

Served as voting administrator for the 2016 Election

EDUCATION

University of California, Santa Cruz— *Computer Engineering*

September 2018 - Present GPA: 3.83

Relevant Courses: Computer Systems and C Programming, Computer Systems and Assembly Language, Ordinary Differential Equations, Multivariable Calculus, Linear Algebra, Discrete Math, Physics Mechanics, Physics Waves and Optics, Physics Electricity and Magnetism

PROJECTS

Muicrowave - Awarded Best IOT and best Qualcomm Device Usage @ SloHacks. Modified a microwave and made it alexa controlled with Authorize.net surge pricing and a locking mechanism. Worked on logic design to modify microwave wiring, developed Python dictionary filled with values, worked on arduino lock.

Pokemon Twitter Bot - This bot when tweeted at with "#pokedexentry" would respond with an image of a pokemon with the Pokedex number and name. Utilized python with the Twitter API and managed information

Google Trend Data Visualization - Utilized jupyter notebook, pandas, and matplotlib to pull google trend data from a csv file and analyze the given trends. Used regressions to estimate future trends and bar graphs to share information effectively.

BattleBoats Microcontroller - Recreated the game of battleboats using a microcontroller and C. This game would allow two AI players to take turns and shoot at each other. This game used security mechanisms such as hashing to prevent issues cheating.

SKILLS

HTML, CSS, C, Python, Java, MIPS, Data Visualization, Swift, Microcontrollers, Debugging

Additional Activities

Logistics Manager @ CruzHacks

September 2019 - Present

Organized one of the largest California Hackathons, developed modules to organize hackathon effectively

Society of Asian Scientists and Engineers Treasurer

April 2019 - Present

Managed and raised funds for chapter. Cooperated in projects teaching new students git and python.

Organized the National SASE Western Regional Conference. Promoted Diversity inside UCSC.

Awards

SloHacks - Best IOT Hardware Hack, Best Qualcomm Usage (2019)
CruzHacks 2nd Place- Best Alexa Skill (2019)
UC Santa Cruz Engineering-Dean's Honors (2019, 2018)
DECA Financial Operations Research-Finalist (2017)
PSAT National Merit-Commended Scholar (2017)