

Deepa Marti

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Education

University of California, Davis: Bachelor of Science, Computer Science

Expected Graduation: June 2023

Intended Minors: Education and Statistics

University Honors Program

GPA: 3.94/4.0

Skills

- C/C++, Java, Python
- Git, GitHub, Postman, Jira
- HTML/CSS
- Git, GitHub
- R

Coursework

- Object-Oriented Programming in C++
- Data Structures & Algorithms
- Algorithm Design & Analysis
- Computer Architecture
- Operating Systems
- Programming Languages

Experience

Technology Intern, Wells Fargo

June 2021 - August 2021

- Interning with the Hybrid Cloud team

Engineering Intern, CloudKnox Security

August 2020 - May 2021

- Created an API documentation page using Slate with Markdown, HTML/CSS, and Javascript
- Worked successfully in an agile environment and developed my technical communication skills

Projects

Operating Systems Course Projects

January 2021 - March 2021

- The following projects were written in C and received score of over 90% with grading based on functionality, coding style, and implementation
- **Simple Shell:** Implemented basic functions of a shell using UNIX system calls
- **User Level Thread Library:** Implemented a thread library that allows users to create, schedule, join other threads, and enable preemption
- **File System:** Implemented FAT based file system software stack including ability to mount and unmount a formatted partition, read and write files, and create and remove files

PocketPT, TreeHacks, Stanford University

February 2020

- <https://devpost.com/software/pocketpt>
- Created an app that uses deep learning to ensure patients do their physical therapy exercises correctly
- Used the NVIDIA Jetson Nano Developer Kit and Python programming to train a neural network for accurate image classification
- Selected as a top-eight finalist at hackathon, presented at closing ceremony to 1200 people, and won the NVIDIA Best Use of Jetson Prize and the overall Medical Access Grand Prize

Involvement

Co-President, Davis Women in Computer Science

September 2019 - Present

- Responsible for planning and executing events in partnership with companies and other campus organizations
- Increased member participation in events by 60% while adapting to virtual formatting of events