

# 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

## Skills

- C/C++, Java, Python
- Git, GitHub, Postman, Jira
- HTML/CSS
- Ansible
- Agile & Scrum
- Cloud Environments

## Coursework

- Object-Oriented Programming in C++
- Data Structures & Algorithms
- Algorithm Design & Analysis
- Computer Architecture
- Operating Systems
- Probability Theory and Statistics

## Experience

### Technology Intern, Wells Fargo

June 2021 - August 2021

- Interning with the Hybrid Cloud team within Technology Infrastructure
- Automated over 15 different Ansible metrics using the Ansible Tower API and pandas Python library
- Assisted the Women in Technology group in planning three networking and recruitment events for Grace Hopper

### Engineering Intern, CloudKnox Security (Acquired by Microsoft in July 2021)

August 2020 - May 2021

- Created an API documentation page using Slate with Markdown, HTML/CSS, and Javascript that documented over 50 requests
- Worked successfully in an Agile environment and developed technical communication skills

## Projects

### PocketPT, TreeHacks, Stanford University

February 2020

- Created an app that uses deep learning to ensure patients do their physical therapy exercises properly
- Used the NVIDIA Jetson Nano Developer Kit and Python programming to train a neural network for accurate image classification
- Team 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

### Operating Systems Course Projects

January 2021 - March 2021

- The following projects were written in C and received scores 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

## 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