

CHELSEA FERNANDES

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Passionate fourth-year Computer Science and Engineering student seeking internship for Summer 2021.

EDUCATION

Santa Clara University

- B.S. in Computer Science and Engineering (2017- expected grad. June 2021)
 - GPA: 3.427 (June 2020)
- M.S. in Software Engineering (2020- expected grad. 2022)

WORK EXPERIENCE

Software Engineering Intern (JULY 2020-PRESENT)

NeoBloom, Inc. - Santa Clara, CA

- Contributed to Flask website - forms, routes,
- Managed PostgreSQL database and manipulated data with Pandas

Undergraduate Research Assistant (SEPT 2019- PRESENT)

Santa Clara University

- Partnered research with Varian Medical Systems to develop a machine learning algorithm to detect the presence of contrast agents in brain MRI scans.
- Preprocessed data and analyzed classification algorithms.

Robotics Systems Lab Intern (JUNE - SEPT 2019)

Santa Clara University

- Wrote the software for a waterproof sensor package to deploy in local rivers
- Designed an interface in Arduino Code/C++
- Researched agricultural sensor applications

PROJECTS

Intellivo Website - InternHacks Hackathon 2020

- Developed website platform that connects users to have conversations about current events using a clustering algorithm. Working log-in authentication and chat box.
- Served as the project manager of team to keep track of progress over 6 week period.
- Won award for best technical product (Github repo: [intellivo](#))

COURSEMATE.COM

- Built a website platform for students to find course reviews and resources
- Built with Django framework (Python), HTML, CSS, SQLite
- Github repo: [CourseMate](#)

SKILLS

PROGRAM LANGUAGES

- C, C++
- PYTHON
- HTML, CSS
- ORACLE SQL, POSTGRESQL
- MATLAB

OTHER

- LINUX
- VERSION CONTROL: GIT, SVN
- MAYA - 3D MODELING
- MICROSOFT OFFICE
- DEBUGGING

RELEVANT COURSES COMPLETED

- DATA STRUCTURES
- LOGIC DESIGN (STATE MACHINES, LOGIC GATES)
- ARTIFICIAL INTELLIGENCE (CLUSTERING, CLASSIFICATION)
- DATABASE SYSTEMS
- OPERATING SYSTEMS
- ALGORITHMS
- ELECTRIC CIRCUIT ANALYSIS
- COMPUTER ARCHITECTURE

COMPLETED BY JUNE 2021

- COMPUTER NETWORKS
- COMPILERS
- SOFTWARE ENGINEERING