

# Chelsea Fernandes

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Passionate third-year computer science and engineering student seeking internship for summer 2020 and beyond.

## Skills

Programming experience in:

C++

C

HTML, CSS

Oracle SQL

Django

Matlab

Python

Other:

Debugging

Collaborative

Strong work ethic

Version control - SVN

Linux

MS Office

## Education

**Santa Clara University, SANTA CLARA CA (current)**

- Currently pursuing a B.S. in Computer Science and Engineering, College of Engineering.

- GPA: 3.359 (as of JAN 2020)

**Washington High School, FREMONT CA (grad. 2017)**

- Graduated in top 10% of class

- GPA: 4.13

## Work Experience

**Undergraduate Research Assistant, SANTA CLARA UNIVERSITY (September 2019—current)**

Partnered research with Varian Medical Systems to develop an machine learning algorithm to detect presence of contrast agents in CT and MRI scans of the brain.

**Robotics Systems Lab Intern, SANTA CLARA UNIVERSITY (June-September 2019)**

Wrote the software for a waterproof sensor package to deploy in local rivers for salmon population research. Designed an interface in Arduino code/C++, and multiple classes corresponding to a sensor. Data writes to SD card. Researched agricultural applications.

**Audio/Visual Team Member, Holy Spirit Church (August 2019-present)**

Controls visual slides and edits and deploys live recordings for the church's weekly masses.

## Projects

1. Currently building a website platform for students to find course reviews and resources, separated by university. Uses open polls and to provide students with course statistics for quick decision making. Built with Django, HTML, CSS and SQLite. **Github repository:** CourseMate
2. Created a simulation of a store website using Oracle SQL that does operations on the data in the database. **Github repository:** Bookstore-Database-Project

## Relevant Courses Completed

- ♦ Abstract Data Structures and Object Oriented Programming in C++—inheritance, templates, STL, linked lists
- ♦ Logic Design—logic gates, state machines
- ♦ Database Systems—Oracle SQL, PLSQL, queries, normalization
- ♦ Electric Circuit Analysis - basic circuit analysis with Matlab
- ♦ Operating Systems—overview with emphasis on Linux systems
- ♦ Algorithms

## Relevant Courses to be Completed by June 2020

- ♦ Computer Architecture
- ♦ Embedded Systems
- ♦ 3D Modeling