

# Chelsea Fernandes

SOFTWARE ENGINEER

Motivated graduate computer engineering student seeking software engineering opportunities.

 ccfernandes@scu.edu

 [@ccfernandes](#)

 [ccfernandes.github.io](https://ccfernandes.github.io)

## EDUCATION

### ● Computer Engineering, M.S.

Santa Clara University  
Sept 2021 – June 2022

### ● Computer Science and Engineering, B.S.

Santa Clara University  
Sept 2017 – June 2021

## SKILLS

### Programming Languages

- C++, Python, C (proficient)
- Flask, HTML, CSS
- Linux

## RELEVANT

## COURSEWORK

- Data Structures
- Machine Learning  
(Regression, Classification)
- Big Data (pyspark)
- Artificial Intelligence
- Cryptology
- Database Systems (Oracle, RDBMS)
- Software Project and [Product Management](#)

## WORK EXPERIENCE

Software Engineering Intern • June - Aug 2021

### Northrop Grumman – Azusa, CA

- Researched useful tools for the DevSecOps team's pipeline
- Developed an automation script in Bash to download Docker images to increase engineer productivity
- Designed and developed a web GUI to list approved software libraries and tools in user-friendly manner (tech stack: Flask, Python, HTML, CSS) - [link](#)

Software Engineer • June – Dec 2020

### Neobloom, Inc. – Santa Clara, CA

- Contributed to full-stack development of Flask web application
- Managed PostgreSQL database and manipulated data with Pandas
- Designed chat window with messages stored in Firebase

ML Student Researcher • Sept 2019-Sept 2020, Jan 2022-present

### Santa Clara University – Santa Clara, CA

- Partnered research with Varian Medical Systems to develop a CNN to detect the presence of contrast agents in brain MRI scans.
- Wrote python scripts for various preprocessing purposes.

## PROJECTS

### Alzheimer's Disease Diagnostic Tool (Senior Thesis Project)

- Led and collaborated with a team of 3 students to design and implement a web-based tool that diagnoses patients with Alzheimer's Disease ([link](#))
- Implemented multiple multi-class classification models and integrated model into a Flask website
- Won award for best session presentation and project

### Intellivo (InternHacks Hackathon, June 2020)

- Developed web platform that connects users to talk about current events using a clustering algorithm
- Served as product manager for team of 5 to keep track of progress over 6-week period.
- Won award for best technical product (Github repo: [intellivo](#))