


Chelsea Fernandes

SOFTWARE ENGINEER

Motivated graduate computer engineering student seeking full-time software engineering opportunities starting in June 2022.

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 @ccfernandes

 www.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, C++
- Python
- Flask, HTML, CSS
- Linux

RELEVANT

COURSEWORK

- Data Structures
- 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)

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 firestore

Undergraduate ML Research Assistant • Sept 2019 – Sept

Santa Clara University – Santa Clara, CA

- Partnered research with Varian Medical Systems to develop a machine learning classification algorithm to detect the presence of contrast agents in brain MRI scans.
- Preprocessed 100's of data points and analyzed classification algorithms

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
- 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)