

# Najel Alarcon

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## Objective

Summer Internship in the Computer Science/Engineering field

## Education

**University of California, Santa Cruz – Santa Cruz**

**B.S. Computer Engineering** – September 2019 to Present

Class: Sophomore/2nd Year

### Relevant Coursework:

- Calculus I & II; Beginning Programming in Python; Data Abstractions: Python; Intro to Networking and the Internet; Linear Algebra; Discrete Math

## Skills

**Software:** Python; Java; HTML; Google Drive; Microsoft Office; Final Cut Pro X

## Work History

**Lifetouch Inc. – Hayward, CA**

Summer 2019

### Photographer/I-Depot

- Photographed Schools' students and staff
- Printed ID cards for students and staff
- Enhanced skills in communication

**Next Level Sports – San Francisco, CA**

January 2019 - March 2019

### Head Flag Football Coach

- Coached youth in the sport of flag football
- Competed in weekly games against other teams
- Active communication between youth and parents

## Projects

(Source Code: <https://github.com/Najel-A/Projects>)

### Covid-19 Simulation

- Displays how the infection of Covid-19 is spread
- Different scenarios for each stage of quarantine

### Video Motion Detection

- Using Computer Vision (CV) to detect motion in a video
- Can detect vehicles, animals, and people

### Firework Simulator

- Displays a firework explosion with sound using PyGame