

# Pedram Safaei

SOFTWARE ENGINEER

☎ (408) 819-6209 | ✉ pedramcodes@gmail.com | 🌐 pedramsafaei | in pedramsafaei

## Skills

**Languages** Python, JavaScript, C++, C, C#, Java, Scheme

**Frameworks** Robot Operating System (ROS), Django, React, Angular, Node.js, Docker

## Experience

### Sierra Nevada Corporation

SOFTWARE ENGINEER INTERN

Sparks, NV

June 2020 - PRESENT

- Incoming Software Engineer Intern

### Wahoo Fitness

SOFTWARE ENGINEER INTERN

Reno, NV

January 2020 - May 2020

- Developed new functionalities as well as documented and tested new software application.
- Worked with the software team to coordinate development of new features and resolve issues surrounding ongoing features.
- Conducted code reviews and submitted feedback and evaluation.
- Utilized Git, Jira, TestRail, Docker, Selenium, Bitrise, Kobiton, Node.js, JavaScript, TypeScript, AngularJS.

### University of Nevada, Reno

FULL STACK DEVELOPER (STUDENT)

Reno, NV

August 2018 - January 2020

- Worked on NSF funded projects:
  - RET Site: Cyber Security Initiative for Nevada Teachers (CSINT)
  - CyberCorps(R): "Collaborative Research: Capacity building in Cybersecurity-literacy: An inter-disciplinary approach
- Worked primarily with developing front end website architecture and designing user interactions on different web pages.
- Resolved 50+ critical bugs in some of the already completed work when working on the back-end website applications by adopting JavaScript, and Angular.js

### University of Nevada, Reno

TEACHING ASSISTANT (SENIOR CAPSTONE)

Reno, NV

November 2016 - June 2019

- Assisted professors and primarily lecturers in lecturing, grading, advising and course maintenance.
- Tasked with automating student purchasing system by adopting SQL (MySQL), JavaScript and Python programming language to design a new tracking system.
- Managed purchase orders of over 150 students (per year), and worked with retail analytics and projects teams to ensure all project works were handled as per best practices.
- Analyzed all courses' documents for accuracy and updated the courses' management system to reflect any changes made.

## Projects

### Thermal Camera Research and Application

- Sponsored project by Iris Automation Inc.
- Worked on an application that utilizes a Boson Flir (thermal) camera to identify objects that are close, or en route of conveyance in order to avoid a collision.

### Face Detection/Recognition Inside the Browser

- Used vanilla JavaScript to perform face detection/recognition inside a browser.
- Used face-api.js which is a wrapper around TensorFlow to do real time face detection/recognition inside any modern browser.

### Discord Bots

- Working on different discord bots that will help server owners do tasks in their guilds in an easier manner, using artificial intelligence
- The bots provide various functions ranging from administrating the server, playing music, compiling LaTeX code, sending memes, etc.

## Education

### University of Nevada, Reno

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

Reno, NV

December 2020

- Unmanned Autonomous Systems Concentration
- Dean's List