

Pedram Safaei

SOFTWARE ENGINEER

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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

- 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 guild in an easier manner.
- 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