Hosna Qasmei

(818) 261-2506 | hosna.qasmei@gmail.com | Winnetka, CA

Relevant Experience:

Software Engineer   January 2020 – December 2020
Teledyne Imaging Sensors Camarillo, CA
- Created a JavaScript based GUI that displays real time status of test equipment readings
- Used REST API to set the desired test mode of an image sensor
- Developed Python modules that automates reduction, analysis, and reporting of image sensors
- Analyzed FITS data cubes to find potential areas of abnormalities in the image sensor

Mission Systems Intern   June 2018 – August 2018
Northrop Grumman San Diego, CA
- Actively participated in the discussion of goals during biweekly team meetings
- Created and configured Virtual Machines for the Ground Communications Interface Team
- Developed a C program with the CNI team to receive server data through SNMP network protocol

Software Engineering Intern   February 2017 – September 2017
RITEC Rugged Simi Valley, CA
- Worked with Technical Lead Engineer on EFB system (Electronic Flight Bag)
- Managed Git repository to keep files up to date
- Edited web interface of the EFB system using HTML/CSS

Volunteering:

Teacher Assistant   August 2019 - Current
Arleta High School Microsoft TEALS Arleta, CA
- Helped students with questions they had on SNAP and Python programming assignments
- Graded student projects and lab work

Research: Autonomous Sensor Robot   February 2017 – June 2018
ECE Team Lead, CSUN Northridge, CA
- Led a team of 3 undergraduate students to create preliminary schematic and circuitry for robot
- Prototyped using 3D printing for robot chassis and bread boarding for placement of wires/pins

Education:

California State University Northridge   Graduated: August 2019
Bachelor's of Science in Computer Engineering   GPA: 3.27/4.0

Leadership:

President   July 2017 – June 2018
CSUN Society of Women Engineers
- Established a community for women in the computer science/engineering department
- Hosted Workshops: Intro to Arduino, Electronics, Programming

Skills:

- Software Languages: Python, Java Also Familiar w/ C, C++, Javascript
- Knowledge of Verilog, VHDL, PSPICE, CAD, MatLab
- Have assembled my own 3D printer