

Justin Ross

WEBSITE jross7997.github.io

EMAIL jross5@oswego.edu

EDUCATION

State University of New York (SUNY) College at Oswego

12/2018

Bachelor of Science in Electrical and Computer Engineering

Minor in Computer Science

GPA: 3.63

Dean's List: Fall 2015, Fall 2016, Spring 2017, Fall 2017, Spring 2018

President's List: Spring 2016

PROJECTS

Hexapod Robot

08/2018-Present

Senior Engineering Capstone

- Programs and builds a controlled walking robot using 12 servos

LEG V8 Microprocessor Project

05/2018

Computer Architecture Final Project

- Designed a basic microprocessor in VHDL to run on the Nexys 4 FPGA board

Shopping Cart Web Service

01/2018 - 05/2018

Web Services Projects

- Implemented a basic shopping cart web service in five different frameworks, and storing data in a MySQL database

Autonomous Driving and Parking Rover

05/2017

Microprocessor Applications Final Project

- Developed an autonomous rover that could determine which path on a pre-defined track to take

RESEARCH EXPERIENCE

LED Flicker SUNY Oswego

05/2018 - 08/2018

- Designs and constructs the research apparatus
- Programs the software for data collection and processing using MATLAB and LabVIEW
- Studies the causes of LED Flicker and researches possible correlation of driving current to flicker

WORK EXPERIENCE

Campus Technology Services SUNY Oswego

05/2017 - Present

Network Assistant

- Assemble and maintain the uninterruptable power supplies for the campus network
- Prepare Cisco access points and switches for deployment
- Assist supervisor in connecting with IT support companies to solve technical problems on campus

Office of Learning Services SUNY Oswego

08/2016 - Present

Peer Tutor

- Clarifies misunderstandings students may have to improve the academic standing of students
- Develops testing strategies for student assessment purposes
- Manages student appointments and walk-in on daily basis

SKILLS AND COMPETENCIES

Programming Languages: Java, Assembly, C, VHDL, HTML, JavaScript, Python, Common Lisp

Software: MATLAB, LabVIEW, AutoCAD, Multisim, Microsoft Office, LATEX

Laboratory: Oscilloscope, Function Generator, and Multimeter