

# Justin Ross

WEBSITE [jross7997.github.io](http://jross7997.github.io)

EMAIL [jross7997@gmail.com](mailto:jross7997@gmail.com)

---

## 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: 3.67

Dean's List: Fall 2015 - Fall 2018

## PROJECTS

### Hexapod Robot

08/2018-12/2018

*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 Nexsys 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

### Multi-Function Clapping Circuit

12/2017

*Microelectronics Final Project*

- Built a sound sensing circuit that had two different outputs depending on the amplitude of the sound

### 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 – 12/2018

*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 – 12/2018

*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