

# Justin Ross

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## 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

## 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

**Electrohydrodynamics** SUNY Oswego

03/2017 - 05/2018

- Constructs the research apparatus to determine the hydroelectric forces that occur during ionic winds
- Collects data using slow motion cameras, lasers, and photo-detectors
- Studies the hydro-electric forces acting on a needle to discover ways to harness mechanical energy

## 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, MySQL, HTML, JavaScript

*Software:* MATLAB, LabVIEW, NI Multisim, Microsoft Office, LATEX

*Laboratory:* Oscilloscope, Function Generator, Multimeter

## CLUBS AND ORGANIZATIONS

**Math Club**

09/2017 - 05/2018

*Secretary*

**Institute of Electrical and Electronics Engineers**

08/2016 - Present

*Member*