

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

- Assembles and maintains the uninterruptable power supplies for the campus network
- Prepares Cisco access points and switches for deployment
- Assists supervisors 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, Common Lisp, HTML, JavaScript

Software: MATLAB, LabVIEW, MySQL, 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