

Objective

Junior seeking a summer internship that will offer hands-on experience in my field, preferably in circuits and testing. Strong technical ability and quick learner, as demonstrated by perfect GPA, project, and tutoring experience.

Education

Florida Institute of Technology, Melbourne, FL

May 20XX

Bachelors of Science in Electrical Engineering; GPA: 4.00

- Phi Eta Sigma, Tau Beta Pi, & Phi Kappa Phi Honor Societies
- Oxford Study Abroad Program (Summer 2022)

Relevant Courses: Signals and Systems, Circuit Theory 1 and 2, Electronics, Microcomputer Systems 1, Software Hardware Design, Computer Design

Skills

C++, Arduino Uno Microcontroller, Python, MATLAB, Breadboard Wiring, Multisim, Oscilloscope and Function Generator Operation, MS Office, MIT App Inventor

Soft skills: Strategic Thinking, Problem Solving, Detail-oriented, Time Management

Project Experience

Florida Institute of Technology, Melbourne, FL

Electro-optics

Spring 2023

- Researched the Fiber Fuse Threshold in fiberoptic cables to determine prevention methods and their feasibility
- Composed findings into a 7-page technical paper applying IEEE standards
- Presented PowerPoint overview of research to class and professor

Circuit Theory Implementation

Fall 2021, Spring 2022

- Operated digital multimeter, oscilloscope, and function generator
- Designed series and parallel RLC circuits in the real world and Multisim
 - Determined resonant frequency, the gain of the circuits, and the bandwidth
 - Verified simulations and measurements in MATLAB with mesh and node analysis
 - Produced phasor diagrams and professional graphs

Microcontroller Game Design

Spring 2021

- Designed a fully operational game of Simon with C++ and an Arduino Uno microcontroller
- Configured hardware for LEDs and debounced push buttons
- Utilized arrays, functions, and register-level bit operations
- Maintained safe resistance values (330 Ω for LEDs, 10 k Ω for push buttons)

Leadership Experience

Florida Institute of Technology, Melbourne, FL

Treasurer, Tau Beta Pi

June 2023 – Present

- Coordinate the submission of Florida Zeta's Financial Report

Tutor, Academic Support Center

Feb 2022 – Present

- Guide college students in learning Physics, Computer Design, and C++

Treasurer, Rotaract Club

Jan 2021 – Present

- Monitor the financial status of the club's account in an Excel spreadsheet
- Collaborate with Newman Club and Daily Bread charity to serve meals to college students and underprivileged groups