

**Andrew Obatake**  
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## Objective

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Seeking a software engineering internship that will allow me to obtain new skills and contribute to an engineering team.

## Education

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University of Hawaii at Manoa	Expected Graduation
Bachelor of Science in Computer Engineering	May 2018

## Projects

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### Smart Campus Energy Lab

Unified Software Team	Aug. 2016 – Present
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- Led a team of five to develop a cooperative software system to collect, send, receive, and store data in a database from different environmental sensor module designs
- Created a Python script to receive and sort environmental sensor data from a XBee transceiver into a readable format to be displayed or sent to a database

Prototype Environmental Sensor Box	Jan. 2016 – May 2016
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- Worked in a team of three to design, test, and fabricate a low-cost, self-sufficient environmental sensor module
- Programmed an ATmega328P MCU in C++ to poll several sensors at different time intervals and construct a data packet that is sent through a XBee wireless transceiver

### University of Hawaii Drone Technologies

Image Processing Team	Aug. 2015 – May 2016
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- Participated on a multi-disciplinary team that created an unmanned aerial system that successfully competed in the AUVSI SUAS competition
- Configured a camera to capture images autonomously onboard an unmanned aerial system

## Work Experience

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### College of Engineering

Software Technical Mentor	June 2016 – July 2016
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- Provided guidance to high school students that built a wireless smart plug with Arduinos, a current sensor, a LCD display, and a XBee wireless transceiver.
- Educated students on the fundamentals of coding and how to program an Arduino in C

### University of Hawaii Publications

Web Team	May 2016 - Present
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- Update and support websites of various student media organizations using a CMS
- Collaborated with designer and editorial staff to redesign a mobile app

## Student Activities

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### Institute of Electrical and Electronic Engineers

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| • Board Member: UHM Student Branch Events Coordinator | Aug. 2016 - Present |
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### Electrical Engineering Student Advisory Board

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| • Board Member: Professional Fees Officer | Aug. 2015 – May 2016 |
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## Skills

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Languages/Tools: C, C++, Javascript, Python, HTML, CSS, Git  
Other: Object Oriented Programming, Web Development