

# Barry Otieno

☎ 850-322-1540 | ✉ botieno@fsu.edu | 🌐 barryotieno1.github.io | 🐙 barryotieno1

## Education

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### Florida State University

Bachelor of Science in Computer Engineering  
Overall GPA: 3.5/4.00

Graduating: Spring 2019

## Skills/Languages

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- **Programming:** C/C++, Python, Bash, VHDL, Git
- **Web Design:** HTML, CSS, JavaScript
- **Software/Operating systems:** Unix, MATLAB, Quartus, Adobe Suite

## Work Experience

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### Florida State University (Tallahassee, FL)

Summer 2014 – Current

#### Undergraduate Research Assistant, Civil Engineering Department

- Data extractor for Florida Department of Transportation (FDOT) / University of Florida truck taxonomy project
- Worked with graduate students to collect and analyze traffic data on highways and roundabouts
- Created detailed presentations that evaluated performance of classifications on vehicles for FDOT data and analytics team.
- Created survey websites that collected and sorted data from several department of transportation's in USA
- Worked with high school students who were interested in engineering on basic projects

## Projects

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### Northrop Grumman Secure Voting Machine

Aug 2018 - Current

- Lead Programmer in charge of creating GUI and server side interaction of voting machine.

### MSP430 Launchpad

Jan 2018 – May 2018

- Wrote a program in C that simulated street lights with LEDs and light varying intensity according to time of day.
- Wrote a program in C that calculated the distance of a still object

### Python

May 2018

- Wrote a bot that searched for new posts on Reddit for PlayStation and Steam game deals
- Wrote a bot that calculated average price for an eBay item search

### Finance

Jan 2017 – Sep 2017

- Created a website that provided beginners with tools to learn more about investing
- Created financial models in Excel that calculated a stock's value and margin of safety using discounted cash flow analysis.