

# Barry Otieno

☎ 850-322-1540 | ✉ barryotieno1@gmail.com | 🌐 barryotieno1.github.io | 🐙 barryotieno1

## Skills/Languages

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- **Programming Languages/Tools:** Python, C/C++, MongoDB, Git, Unix and others
- **Web/Frameworks:** HTML, CSS, Angular, React, Node.js

## Work Experience

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**Citi** (Tampa, FL) June 2019 - Current

**Software Engineer**, Information Services Group

- Created proof of concept chatbot with basic NLP to handle everyday data retrieval and support
- Worked on dashboard which displayed, modified, and organized JIRA tickets
- Managed two interns and in charge of knowledge transition for new developers

**Florida State University** (Tallahassee, FL) Summer 2014 - Feb 2019

**Undergraduate Research Assistant**, Civil Engineering Department

- Created detailed presentations that evaluated the performance of classifications on vehicles for Florida Department of Transportation (FDOT) data and analytics team
- Data extractor for FDOT / University of Florida truck taxonomy project
- Worked with graduate students to collect and analyze traffic data on highways and roundabouts

## Projects

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### Data Analytics

- Analyzed over 500,000 emergency 911 calls over Montgomery county, PA from 2015 – 2018 (Python (Basemap, NumPy, Pandas, Matplotlib, Seaborn))

### Bots

- Wrote a bot that ranked listing from an eBay item search (Python (Beautiful Soup, Pandas, NumPy))
- Created automated trading bot which implemented moving average strategy (HTML, CSS, JavaScript (Angular), Java (Spring Boot), MySQL)
- Wrote a bot that searched for new posts on Reddit for PlayStation and Steam game deals (Python (Reddit API))

### Northrop Grumman Voting Machine

- Created voting machine which required card access to operate, encrypted votes, and printed user results (HTML, CSS, JavaScript (Angular, Node.js, Express.js, Electron.js), MongoDB)

## Education

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### Florida State University

Bachelor of Science in Computer Engineering

Overall GPA: 3.55/4.00

Jan 2015 – Apr 2019