Barry Otieno

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Skills/Languages

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

Work Experience

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

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

Florida State University
Bachelor of Science in Computer Engineering   Jan 2015 – Apr 2019
Overall GPA: 3.55/4.00