Barry Otieno

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Skills/Languages

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