Barry Otieno

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Skills/Languages

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

Work Experience

Citi (Tampa, FL)   June 2019 - Current
Software Engineer, Institutional Clients Group
Equities/PFSS(Prime, Futures, Securities and Services) [Quality Assurance]
- Increased automation test pass rate for Citi queries page from 65% to 95%
- Added over 50 tests within Citi queries page to improve error detection rate
- Became primary contact for Citi queries QA for production checkouts
Information Services Group [Full Stack]
- 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

Automation
- Wrote a bot that ranked listings 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))

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

Education

Florida State University
Bachelor of Science in Computer Engineering   Jan 2015 – Apr 2019