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)

**Software Engineer, Assistant Vice President** July 2021 - Current

**Software Engineer, Analyst** June 2019 - June 2021

**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)

**Undergraduate Research Assistant**, Civil Engineering Department June 2014 - Feb 2019

* 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