

# Barry Otieno

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## Skills/Languages

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

## Work Experience

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**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

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### 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

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**Florida State University**

Bachelor of Science in Computer Engineering

Jan 2015 - Apr 2019