

ZACHARY MIGLIORINI

✉ zmigliorini@gmail.com 🌐 zachmig.com ☎ (845)-439-1217 📍 2 Murray Court
Rockville Centre, NY 11570 🏠 ZachMig

SUMMARY

New York-based software developer looking for work in an entry or junior-level position.

Please take a moment to visit my site at: <https://www.zachmig.com>

I bring a solid set of technical skills and a mature, proven understanding of workplace responsibilities to any team.

Functional results are most valuable to me, and make sure to think through my next task before touching the keyboard.

Looking forward, I represent a candidate with a strong potential for growth. I am an active learner who asks well-constructed questions and respects their seniors' time.

EDUCATION

Rochester Institute of Technology

Bachelor of Science Computer Science 2017

Minor Business Administration and Management

Specialized Coursework Included: Computer Security, Cryptography, Operating Systems, and Data Communication and Mgmt.

EMPLOYMENT

Thomson Reuters, *Software Engineering Co-Op (Full Time)*, Rochester, NY

Jan. 2015 - Aug. 2015

- Code was mainly done in Java (using the Spring and Grails frameworks), JavaScript, and Oracle SQL.
- Worked on two separate teams developing Java commands as part of a workflow to convert files between Word and XML formats.
- Designed a service to capture metrics data on our workflow and built an endpoint to supply it, allowing us to measure how future changes affected the conversion throughput.
- Cut QA testing time by tying a JavaScript diff tool into the end of the workflow.
- Frequently maintained and refactored workflow steps as project requirements were updated.

Other Experience

- In the time between college and now, I worked as a sales associate in the luxury goods sector.

SKILLS

PROGRAMMING LANGUAGES: Java, SQL

FAMILIAR WITH: Python, Spring, Hibernate, AWS

SOFTWARE/OS: Eclipse, Git

SOFT SKILLS: Time management, Communication, Learning

PROJECTS

Technical Indicators

Nov. 2016

- Uses the Yahoo Finance API (deprecated) to pull past stock data, and Python to compute and display technical analyses (RSI, MACD).
- Scrapes the web to compile relevant fundamentals such as earnings, P/B ratio and others.
- Makes use of Pandas and BeautifulSoup.

Twitter Bot Classifier

Feb. 2017

- Uses Python to mine user profile data and Twitter activity history from the Twitter API.
- Data is processed and passed to a random forest classifier to mark the account as being a human or a bot.
- Makes use of SciPy.

Reliable Data Transfer Protocol

Apr. 2017

- Transfer protocol written in Java to wrap UDP datagrams and account for bit errors, out-of-order packets, network delay, and loss in the network.
- Congestion control is implemented in the style of TCP Reno.
- Uses a two-threaded client to divide send and receive duties, and a single-threaded server.

Client & REST Server Hosted on AWS at www.zachmig.com

2023

- Simple client written in HTML & basic Javascript. Takes user input and sends a request to a REST endpoint via fetch.
- REST endpoint built with Spring Boot. Written in Java and hosted on an AWS EC2 instance.
- MySQL database hosted on the same EC2, accessed by the Java application via Hibernate ORM.