

ZACHARY MIGLIORINI

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SUMMARY

Programmer with a focus on backend development looking to get back into the field in a junior position. I am a serious worker who understands deadlines and teamwork. As a junior developer at your company, my goal would be to soak up information and quickly become a more valuable asset.

Despite the gap in my resume I have been keeping my skills polished and recently completed a website hosted on AWS at <http://www.zachmig.com>.

I am an efficient learner. I don't waste my mentor's time and I never need to be told twice. I know how to manage my time. If a task needs to be done by Friday, I will have it ready Thursday morning for testing. And if I can't, I will ask for help well in advance, regardless of how it makes me look. In short, I understand what is expected of me, and will deliver while pushing myself to learn and grow.

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 industry. I was always working, but in a field unrelated to software engineering.

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.