

# Ryan Regier

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## EDUCATION

### Wheaton College, Wheaton, IL

B.S. in Computer Science and B.A. in Economics, Minor in Mathematics

Anticipated Graduation May 2023

- GPA: 3.93/4.0; Dean's List each semester
- Relevant Coursework: Data Structures and Algorithms, Software Development., Financial Economics, Intro to Computer Systems, Programming I & II, Calculus I & II, Multivariable Calculus, Discrete Mathematics, Functional Programming

## WORK EXPERIENCE

### Software Engineer Intern

January 2021– Present

CMT (Capital Markets Trading) Digital

Chicago, IL

- Developed a fills aggregation GUI application to autogenerate the P&L reports for the trading desk, strategies, and coins
- Created Fills Aggregation Tool which utilizes pandas and numpy for analysis and pulling data across several exchanges and MongoDB collections
- Developed an application to build the term structure of an underlying coin for identifying arbitrage opportunities across futures
- Graphed the term structure using plotly for a dynamic user experience
- Tech stack: Python (pandas, numpy, plotly, pysimplegui, tkinter, matplotlib), MongoDB, Git, various exchange APIs

### Software Engineer Intern

June 2020 – August 2020

AmpliFI Loyalty Solutions

Naperville, IL

- Developed back-end features for a web application using the Java framework Spring in an agile environment
- Resolved hundreds of bugs and code smells to significantly increase code efficiency and readability
- Wrote JUnit tests to increase code coverage and documented functional testing for the QA team
- Tech stack: Java Spring, AWS CloudWatch, PostgreSQL, Git, BitBucket, JIRA

### Analyst

December 2019 – February 2021

Student-Managed Investment Fund

Wheaton, IL

- Maintained and updated the fund website and Google Sheets portfolio weighting documents
- Created buy and sell pitches for stocks and ETFs within my portfolio
- Learned about various investment strategies, terminology, financial models such as DCF, market tracking, and developing an investment thesis

### Finance/Accounting Intern

May 2019 – August 2019

PM Mold Co., Inc.

Schaumburg, IL

- Performed an audit of the company scanning and reading over 500 financial documents related to customer invoices
- Updated and organized online financial records on the company server

### Software Engineer Intern

May 2018 – August 2018

Epiq Solutions

Rolling Meadows, IL

- Coded a Google Sheets “Sales Sorting Script” document with Google Scripts to sort financial data for the company CFO to optimize the monthly sales team meetings
- Created Sales Sorting Script to read hundreds of sales from QuickBooks and parse the sales into individual sheets by model, quantity, and revenue for easier financial analysis
- Programmed and tested hardware using automated tools before shipping hundreds of products to clients

## PERSONAL PROJECTS

### Algo Trading Bot

- Built an algorithmic trading bot that executes trades using the Alpaca API with Python 3
- Performed data analysis with pandas and visualization with matplotlib
- Built front-end interface with React.js and Node.js to connect to MongoDB database to access trade and user data
- Algorithmic trading script hosted on AWS server to run in the cloud during market hours
- Telegram Bot can be used in team group chat to execute trades and access account information

## SKILLS

Python (Pandas, Numpy, Matplotlib), Java (Spring), Google Scripts, Excel, HTML, C, Google/Microsoft Suite, Git, VBA