Nicholas L. Maheshwari

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Education:

University of Chicago, Chicago IL (Fall 2020-Present)　　　　　graduation expected March 2022
Master's in Computer Science
Current GPA: 3.64 / 4 (see website for courses list)

Barrett, the Honors College at Arizona State University, Tempe AZ (August 2016- May 2020)
Bachelor's in Computer Science, Minor in Business - Barrett Thesis
Final GPA: 3.58 / 4

Technical Skills:
Programming Languages: Java, C#, Python, SQL, C++, C
Frontend Languages/Technologies: HTML, CSS, PHP, Vaadin, Quarkus, Grav, Jekyll, DynamoDB
Backend Technologies: Git, Blockchain, Postgres, RESTful Services
Frameworks/IDE's: Spring Boot, Spring, Hibernate, / Eclipse, IntelliJ, Pycharm, Windows Studio, Android Studio
Cloud Technologies: AWS (Route 53, S3, Elastic Beanstalk, EC2, EBS), Postman, Docker, Netlify, Digital Ocean
Strong background in math and logic

Employment History:

Asher Chaim, Full Stack Software Engineer: May 2017-Present
· Designed web-scraping Python programs to collect company research data
· Built out SQL database to store collected data for research and analysis
· Built company websites using CSS and HTML. Deployed site using AWS and Netlify.

Helios MI, Quantitative Developer : May 2018 - August 2021
· Used Java and C# to design algorithmic stock/option trading strategies, connecting to Interactive Brokers API.
· Collaborated in the development of several trading strategies, building a strong foundation in understanding of stocks, options, and the inner workings of financial markets.
· Acquired deeper knowledge of Java and it's ecosystem including Spring Boot, Maven, JUnit, Hibernate, etc.

Feature Project - Barrett Thesis:

[Stock Trading Quantified: An Exploration of Algorithmic Trading Principles using QuantConnect](#)
My honor's thesis was an exploration on the principles and popular strategies of algorithmic stock trading. Using QuantConnect, a backtesting platform for trading strategies, I developed my own version of three distinct algorithms; a momentum based strategy, a mean reversion based strategy, and a preferred time of day based strategy, all in C#. In my thesis report, I go in depth on each of these strategies, explaining the philosophy behind the strategy, delving into the code that makes up the strategy, and discussing the backtest results. The report also discusses the history of algorithmic trading, and explores some future research aspirations of mine.

To see more projects, and learn more about me, visit my site: www.nicholasmaheshwari.com