

Meitong Chen

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EDUCATION

Johns Hopkins University

Expected Graduation: May 2023

Master of Science in Engineering, Financial Mathematics | GPA: 3.80/4.00

Baltimore, MD

Coursework: Introduction to Algorithms, Databases, Introduction to Data Science, Stochastic Processes, Optimization in Finance, Time Series Analysis, Applied Statistics and Data Analysis

BNU-HKBU University United International College

Sept. 2016 - Jul. 2020

Bachelor of Science in Financial Mathematics | GPA: 3.48/4.00

Zhuhai, China

Coursework: C++ Programming Languages, Data Structure, Python for Finance, Linear Algebra, Advanced Probability, Financial Mathematics, Financial Modelling, Numerical Analysis

EXPERIENCE

Quantitative Software Engineer

Sept. 2020 – May 2021

Blockpulse Digital Asset Management

Shenzhen, China

- Led a team of 3 engineers in implementing **Triangle Arbitrage** strategy via **Python**, resulting in a **10%** return
- Worked closely with a team of 10 in the development of back-testing and real trading of quantitative strategies using Python, including grid strategy, random forests-based strategy, and time series data modeling
- Utilized the **Infura API**, a blockchain suite, to create an alerting system for cryptocurrency price monitoring

PROJECTS

Order Now | Java, Spring, Hibernate, Maven, ReactJS, AWS EC2, Docker

Jan. 2022 – Mar. 2022

- Developed a **Java-based** online food ordering web application with **ReactJS** front end and served **RESTful API**
- Utilized **Spring MVC** framework to manage requests such as registration, login, commenting, as well as checkout
- Ensured the web was secure through providing authentication and authorization via **Spring Security**
- Applied **MySQL** with **Hibernate** as the relational database which contained menu, order history, and comments

Newswipe | Android, Room Database, Retrofit

May 2022 – Jul. 2022

- Developed an **Android app** with Java using the **MVVM Google Component Architecture**, featuring hot news display, keyword-based news search, news saving, news sharing, and automatic news scrolling
- Implemented swipe gestures for liking/disliking news using **CardStackView** open-source project similar to Tinder
- Constructed a **Room Database** with **LiveData & ViewModel** to support offline mode and local caching
- Integrated **Retrofit** and **LiveData** to request updated news data from a RESTful endpoint using newsapi.org API

All Hockey | MySQL, PHP, HTML, SQL Stored Procedures

Oct. 2022 – Dec. 2022

- Developed a responsive website by utilizing **PHP, HTML, CSS and MySQL** to display popular hockey players profiles and allow users to sign in, sign up, vote, and search for winning percentages
- Utilized **Pandas** and **Requests** Python libraries to scrap data from the hockey website and populated database
- Devised logistic regressions by using historical game records in SQL stored processes to forecast winning percentages

Find Apps | Go, ReactJs, Google Cloud, ElasticSearch, JSON Web Token

Jul. 2022 – Aug. 2022

- Developed a **GoLang-based** software purchase web application with ReactJS as the front end, featuring functions for creating, searching, browsing, and finalizing purchases using Stripe checkout
- Implemented **JWT token-based** authentication flow for user signup, login, and logout using React Router V4
- Utilized **ElasticSearch**, deployed on Google Compute Engine, to offer a search function for the web application

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, CSS, R, MATLAB, Go, PHP

Frameworks/Libraries: Numpy, Pandas, Matplotlib, ReactJS, Java Servlet, Maven, Hibernate, Spring

Tools/Databases: Docker, AWS, GCP, Git, VS Code, Android Studio, MySQL, ElasticSearch

Certifications: Java For Programmers, React for Front-end Developer Offered by Educative