

Ziyi Peng

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<https://github.com/ZiyiPeng>

Skills

Programming: Java, Python, C++, R, SQL, Bash, Elixir

Technologies: Java Spring, AWS, RabbitMQ, Redis, Jenkins, JVM, NumPy, Pandas

Mathematics: Stochastic Calculus, Time Series Analysis, Probability, Linear Algebra

Education

Boston University, Questrom School of Business

Boston, MA

M.S. Mathematical Finance & Financial Technology

January 2022

- Coursework: Statistics for Mathematical Finance, Stochastic Methods in Asset Pricing

Northeastern University, Khoury College of Computer and Information Science

Boston, MA

B.S. Computer Science & Finance [GPA 3.55 | Dean's List | Presidential Scholarship]

May 2020

- Coursework: Software Development, Network & Distributed Systems, Algorithms & Data Structures, Object-Oriented Design, Investment, Financial Risk Management, Probability & Statistics

Experience

Skillz

San Francisco, CA

Server Engineer Coop

June 2019 - December 2019

- Developed over-the-air server side features to enable SDK version update
- Implemented a new sweep/deploy strategy, resulting in a 50% reduction in deployment time cost
- Migrated features from a monolithic architecture to microservices to increase platform's scalability
- Analyzed pattern of GPS errors using python and presented result to stakeholders
- Improved legacy code and database structure to reduce multiple endpoint's response time

Digital China Information Service Company

Beijing, China

DevOps Intern

June 2018 - December 2018

- Collaborated closely with a senior engineer to build and maintain an internal CI system
- Developed UI and API automated test scripts to ensure application's stability

Projects

PortfolioTracker (Elixir, HTML, Java Script, SQL)

Boston, MA

Backend Developer

March 2019 - September 2019

- Designed database structure and implemented backend functionalities of a web application which analyzes real-time and historical data to help non-professionals invest

Paxos Project (Python)

Boston, MA

Developer

March 2019 - April 2019

- Built a distributed consensus protocol that ensures consistency against an unreliable network based on Paxos

Additional Information

Interests: HackBeanpot Hackathons, Half Marathons (Boston), Entrepreneur Club Member, Reading Technical Blogs