Kashish Patel

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EDUCATION

Duke University Durham, NC
B.S. in Computer Science *Aug. 2015 - Dec. 2018*
Minor in Finance & Certificate in Decision Sciences

WORK EXPERIENCE

Bridgewater Associates Westport, CT
Product Integration Engineer *Feb. 2019 - Oct. 2019*

- Collaborated with Product Managers to shape product design for research software used by investment associates to synthesize and industrialize the firm's global understanding into a hive mind of macroeconomic knowledge.
- Provided operational expertise to researchers utilizing complex distributed applications for investment research to shape the global macro strategy of fund and engineers to systematize the fund's investment logic.
- Optimized investment engineering workflows and improved user experience for investment associates to increase productivity and enhance usability of the domain-specific language developed in Scala to author investment logic.
- Product specialist for AWS-based cloud computing platforms designed to parallelize computationally intensive financial simulations

GE Digital Milwaukee, WI
Software Engineering Intern *May 2018 - Aug. 2018*

- Aligned with **GE Healthcare** as part of the Digital Technology Leadership Program. Worked on the Remote Services Technology team.
- Developed microservice in Java using Spring Boot to query analytics data store and retrieve stored analytics records.
- Implemented new execution mode for analytics execution engine in Python to keep Docker containers alive after running a function. Sped up multiple executions of same function by 78%.

In-Video Impressions Durham, NC
Software Engineering Intern *Aug. 2017 - Dec. 2017*

- Developed a client-facing marketplace & dashboard for an advertising technology startup (acquired by Vitagene) to connect brands with artists and creators through product placement in media content.
- Integrated Google AdWords and YouTube APIs into web application for more effective ad targeting and to pull streamlined and impactful data regarding content consumers.

Daylight Data Consulting Durham, NC
Software Development Intern *May 2017 - Aug. 2017*

- Worked with the following B2B clients to create microservices and mobile applications based on business needs.
- **Sprout City**: Created a microservice in Go to automate generation of PDF documents from client data. Developed an internal Android application to efficiently manage customer information in the field.
- **Jot Health**: Concurrently developed native WebSocket based healthcare messaging apps for iOS and Android with functionality for interactive JavaScript based third party add-ons.
- **NeuroPlus**: Implemented redesign of marketing page and subscription sign up process based on UX mockups using Bootstrap and Ruby on Rails.

PROJECTS & ACTIVITIES

Robinhood Trading Bot: Developed trading bot in Python that executes trades using Robinhood API based on strategies backtested on Quantopian.

IOU Tracker: Created web application to accurately track lending and borrowing between friends. Implemented API in Python and currently developing web and mobile clients.

Duke University - Fuqua School of Business: Undergraduate teaching assistant for Data Infrastructure course in the Master of Quantitative Management program using SQL, Python (pandas), and R. *July 2018 - Sept. 2018*

PROGRAMMING SKILLS

Languages: Java, Python, Ruby, JavaScript **Databases**: MySQL, PostgreSQL, MongoDB
Frameworks: Spring Boot, Django, Flask, Rails, Vue.js **Tools**: AWS, Docker, Git, Android SDK