

WEIWEI SHI

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EXPERIENCE

Engineer II/ I - American Express, New York, NY 2022 - Present

- Reduced 50% defects and 30% development efforts by refactoring code in 5 modules to separate market specific code from reusable common code
- Built and lead Credit Bureau feature and collaborated with product, backend, risk and TPDG teams
- Increased codebase test coverage from 30% to > 80% by writing example spec files, devised team test coverage standards and implemented systematic test coverage checks before each commit
- Secured login process by implementing new AuthBlue library and moved all shared test IDs to EPV(password management system), became subject matter expertise for all login issues

CodePath(iOS) - Queens College, iOS Development Course 2020 - 2021

- Utilized REST API calls and OAuth2 to recreate four iOS apps such as Twitter, Instagram etc.
- Collaborated in a team of three to create the EventsNearMe app that finds public events and allow users to post comments and likes for those events

Station Manager - Amtrak, Penn Station, NY 2017 - 2019

- Oversee the day to day activities of the Customer Service Department, and coordinated with other departments to handle service disruptions, delayed baggage, customer injuries etc.

Continuous Maintenance Planner - Amtrak, Sunnyside Yard, NY 2014 - 2017

- Auditing engine movements, ensuring material availability, developing and monitoring performance indicators and ensuring proper documentation of labor and materials.

SKILLS

Programming: Java, Spring Boot, C++, SQL, NoSQL, Python

Web Development: React, JavaScript, Next.js, HTML, CSS

App Development: XCode, Swift, CocoaPods

PROJECTS

Budget Dashboard (Next.js/Python) <https://github.aexp.com/amex-eng/go2-budgeting-app> Present

- Coding a budget tracking app that compares planned budget vs already spent plus plan to spend
- Incorporating data from Clarity hub, NVision and Rally to calculate tables and display data as charts

Forecast Frequencies (React Native/Node.js) <https://github.com/ForecastFrequencies> Fall 2023

- Developed a weather application that determines music playlists based on the user's local weather
- Integrated Spotify API and Visual Crossing Weather APIs with Express.js powering the back-end.

Flixster (Swift) <https://github.com/wshi27/flixster> Fall 2021

- Developed iOS application in Xcode that displays movies in TableView and in CollectionView
- Integrated with CocoaPods to display movie posters

School Day (Java) <https://github.com/wshi27/SchoolDay> Spring 2021

- Utilized java.net library to set up a Server that services requests from clients such as student class/instructor class, a separate thread is assigned to each client
- Eliminated critical section conflicts between 20+ threads

EDUCATION

Master of Arts in Computer Science - Queens College, City University of New York | GPA: 3.86/4.00

Bachelor of Business Administration in Finance - Bernard M. Baruch College | GPA: 3.7 /4.00