

# WEIWEI SHI

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## EXPERIENCE

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- 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
- Overseed 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

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

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

**App Development:** XCode, Swift, CocoaPods

## PROJECTS

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- 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

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**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