

Felix Chen

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Education

City University of New York - College of Staten Island

Jan 2025

Bachelor of Science in Computer Science, GPA: 3.982

Tech Talent Pipeline Residency Program, College of Staten Island

Aug 2023

Full Stack Web Development Bootcamp

Technical Skills

Languages: Java, JavaScript, TypeScript, C++, HTML/CSS

Backend & APIs: RESTful API Design, Node.js, Express.js, PostgreSQL, Knex, Sequelize, GraphQL

Developer Tools: IntelliJ IDEA, Git, GitHub, Docker, Jira, VS Code, Unix/Linux

Other: Agile/Scrum, Code Reviews, Unit & Integration Testing

Professional Experience

Charity Navigator

May 2024 - Aug 2024

Software Engineer Intern

New York, NY

- Developed backend services and APIs that supported user-facing features and data delivery in production systems
- Implemented, tested, and debugged backend logic using TypeScript, Knex, and PostgreSQL, ensuring reliability and data integrity
- Created and migrated cloud functions, reducing codebase size by 45% while improving modularity and maintainability
- Designed and validated API integrations with Adobe Experience Manager (AEM) and IBM Cloudant for structured data consumption
- Implemented unit and integration testing workflows using Docker and BullMQ dashboards to ensure job reliability
- Actively Participated in Agile meetings including sprints, stand-ups, backlog cleanup, and peer code reviews using Jira

IT Services LLC

Feb 2023 - May 2023

Web Development Intern

New York, NY

- Collaborated with a skilled team of 10 interns to successfully build STEMKasa web app, utilizing MongoDB for efficient data storage and retrieval
- Integrated Zoom REST API, utilizing DataTables library for simplified participant invitation and seamless management of meeting schedules
- Streamlined meeting creation efficiency by eliminating individual email invitations, resulting in significant time savings and increased productivity

Projects

Personal Finance Simulator | *Java, SpringBoot, PostgreSQL, JPA, Docker*

2025

- Built a backend application to track personal expenses and budgets
- Created REST APIs to record transactions and retrieve spending summaries
- Stored and queried financial data using PostgreSQL
- Organized backend code using controllers and services to keep logic easy to follow and maintainable
- Tested API endpoints to make sure calculations and data updates worked as expected

Car Catalog Platform | *Next.js, PostgreSQL, Knex, Docker, Tailwind CSS*

2024

- Designed and implemented RESTful APIs for managing vehicle data, favorites, and user history
- Built a relational data model with referential integrity and optimized queries using PostgreSQL
- Applied backend architecture patterns to separate API logic, data access, and UI concerns
- Containerized services with Docker to ensure consistent builds across environments