

KENNY LIN

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EDUCATION

Northeastern University

Bachelor of Science in Computer Engineering and Computer Science
GPA: 3.78 / 4.0 | Dean's List

Boston, MA

Sept 2020 – May 2024

EXPERIENCE

Massachusetts College of Pharmacy and Health Sciences, Boston, MA

July 2023 - Dec 2023

Application Developer

- Achieved full condition coverage by writing comprehensive unit tests in C# (xUnit) for the student payment system
- Initialized the Postman environment and authored 273 integration tests, integrating them into the CI/CD pipeline, ensuring reliable deployment
- Generated Powerbuilder reports for the Registrar's Office using SQL queries, streamlining student data processing with usage exceeding hundreds of times monthly
- Produced Visio diagrams to document architecture and workflow during the integration of an external automated transcript printing service, enhancing communication among end clients

Avidyne Corporation, Concord, MA

July 2022 – Dec 2022

Software Engineer

- Created white-box tests and scripts using C/C++ for Avionics systems, increasing MC/DC coverage by 25% across communication and traffic modules
- Migrated from the deprecated code coverage tool to Squish Coco for new avionics systems
- Automated monthly distribution of certification documents by creating a Python cron job, reducing manual distribution time
- Constructed a Python tool to generate FAA standard compliance files, improving compliance tracking and documentation

PROJECTS

Finance Tracker | *Typescript, TSOA, Express, NextJS, PostgreSQL, Clerk*

Sept 2024 - Current

- Developing a full-stack web application that enhanced personal finance management
- Establishing secure user authentication and CRUD operations using Clerk, utilizing webhooks for real-time database updates
- Streamlining transaction records by integrating the Chase API for automatic import, reducing manual entry time and accuracy
- Configuring an intuitive dashboard with shadcn/ui, enabling users to easily navigate and access key financial metrics

Portfolio Website | *Typescript, NextJS*

June 2024 - Aug 2024

- Designed a responsive portfolio website using NextJS, ensuring a pleasant user experience across devices and browsers
- Integrated Resend service for email functionality, allowing easy contact through a user-friendly form
- Deployed on Vercel, utilizing analytics to track performance and engagement, with over 30 monthly views

Covey Chronicles | *Typescript, TSOA, Express, NextJS, Jest, Docker, PostgreSQL, Clerk*

Feb 2024 - April 2024

- Contributed to an open source virtual meeting space by implementing a React community news board
- Ensured seamless multiplayer gameplay by creating RESTful API endpoints and WebSocket connections to enable low-latency communication
- Aggregated recent headline articles from NewsAPI, tech-related posts scraped from HackerNews, and user-posted content
- Enhanced functionality for users to comment, like, and share articles

Fitness Leaderboard | *Typescript, Express, React, PostgreSQL, NextAuth*

Jan 2024 - May 2024

- Built a fitness competition platform enabling users to join public and private leaderboard lobbies, fostering community engagement and healthy lifestyles
- Implemented API endpoints to fetch user activity data from Strava, enabling collection from athletes' phones and wearable devices

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C++, Python, Swift, Java, C#, C, SQL, HTML/CSS, x86, Lean

Frameworks: NextJS, ExpressJS, TSOA, React, React Native, Jest, SwiftUI, UIKit, JUnit, xUnit.net

Developer Tools: Git, VS Code, Visual Studio, AWS, Jira, Docker, Postman, Swagger, OpenAPI, IntelliJ, Eclipse

Database: MySQL, PostgreSQL, SQLite, SwiftData, MongoDB, Google Firestore