

WenBin Lin

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EDUCATION

Hunter College (CUNY), *B.A. in Computer Science* | GPA: **3.91/4.00** (*in Major*)

May 2024

Relevant Coursework: Computer Architecture, Computer Theory, Operating System, Game Engine, Big Data, UI/UX Design, Network Security, Software Analysis and Design, Cloud Computing, Database Management, Deep Learning

SKILLS & CERTIFICATIONS

Languages: JavaScript, TypeScript, Python, C++, C#, Java, SQL

Technologies: React.js, React Native, FastAPI, Node.js, Next.js, PostgreSQL, MongoDB, AWS, Azure, Figma, GCP, Ruby on Rails, Flutter, Unity, Kubernetes, Docker

Certifications: Front End Development Libraries, FCC, September 2023

Spoken Languages: English, Chinese (Conversational)

PROFESSIONAL DEVELOPMENT

Full Stack Developer Intern at ERbuddy Inc.

May 2023 - Aug 2024

- Created wireframes using Figma, cutting development cycles for web and mobile apps.
- Built a React Native mobile app for iOS and Android, boosting mobile engagement and ensuring HIPAA/GDPR compliance.
- Designed a React and Azure-based web app, improving server response times by 40%.
- Implemented OAuth 2.0, reducing unauthorized access and strengthening user security.

Google Software Engineering Program (G-SWEP) via ProjectBasta

Feb 2023 - May 2023

- Selected as one of 66 out of 130+ applicants to participate in 10 weeks of technical problem-solving workshops and enhance software engineering skills through 1:1 mentoring with a Google SWE
- Focused on optimizing algorithms and designing scalable systems through hands-on projects.

CUNY Tech Prep, Fellow, Software Development

July 2022 - May 2023

- Selected from 400 candidates from CUNY as a software development fellow, where fellows create technical projects using tools such as React, Node, Express, and PostgreSQL.
- Learn industry best practices for design, implementation, and deployment such as MVC, Git/GitHub, Agile & Scrum with Trello and Slack, test-driven development, and CI/CD.

PROJECTS

Hunter Elective Forum

Sep 2023 - Dec 2023

- Engineered a student forum using Django and Firebase, supporting real-time interactions and database scalability.
- Developed RESTful APIs to ensure reliable communication between the front end and back end, improving system efficiency.
- Implemented secure user management features with HTTP-only cookies, adhering to best practices for data protection.
- Led the front-end development, creating a user-friendly interface that enhanced the overall user experience.

Clip Manager

Mar 2023 - May 2023

- Developed a platform for users to upload and share video clips, using Node.js, AWS S3, and Cognito for scalable and secure data management.
- Implemented comprehensive input validation, reducing submission errors and improving data integrity.
- Leveraged DocumentDB to handle increasing user loads without compromising performance.

Book Sharing App

Jan 2023 - Mar 2023

- Utilized scrum framework and designed the tech stack
- Designed and implemented fully functional backend REST API routes with Node.js as runtime PostgreSQL as database, Bcrypt.js, and Passport.js to handle user authentication and authorization.