

David Huang

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Education

Northeastern University, Boston, MA

September 2020 - May 2024

Khoury College of Computer Sciences

B.S. in Computer Science and Business Administration, Fintech

Honors: GPA 3.66/4.00 | Dean's List

Relevant Coursework: Software Engineering, Web Development, Mobile Development, Networks and Distributed Systems, Computational Methods in Finance, Object-Oriented Design, Algorithms and Data Structures, Data Science, Database Design, Management Information System, Managerial Accounting

Activities: NEU Blockchain | Actuarial Club | Intramural Athletics

Technical Knowledge

Languages: Java | TypeScript | JavaScript | Kotlin | Python | SQL | HTML | CSS | Ruby

Tools: Spring Boot | Node.js | React | Next.js | Tailwind | PostgreSQL | MongoDB | Firebase | Prisma | Redux | Git

Cloud Services: Google Cloud Platform | Kubernetes | Docker

Work Experience

Tram Global, Boston, MA

January - June 2023

Backend Software Engineer

- Designed and deployed scalable Node.js API-driven architectures, crafting RESTful APIs for seamless feature integration, resulting in an 18% increase in user engagement among a growing member base
- Revamped PostgreSQL and Firebase databases to facilitate the transition from B2C to B2B business model
- Led an agile team working towards decarbonization by promoting positive behaviors in everyday travel
- Developed SaaS admin portal enabling businesses to monitor daily travel metrics using React, Tailwind and Next.js

Zipcar, Boston, MA

January - August 2022

Backend Software Engineer

- Utilized microservice architectures to build RESTful APIs for web, mobile, and external teams
- Designed and executed SQL scripts to perform CRUD operations and account migration of over 5000 users and generate 23% in membership revenue increase
- Teamed with a dynamic agile scrum team focused on growing and retaining user memberships for vehicle rentals
- Constructed and maintained a large scale PostgreSQL database, serving over one million customers

Projects

Tram Daily Data Automation

February - March 2023

- Managed and executed the development of the software framework for automating data transfers
- Automated a data transfer process allowing for up to 200,000 user trip records per hour, including anonymization, resulting in a 40% reduction in data transfer time
- Utilized Prisma for efficient data query, Firebase for real-time user query, and PostgreSQL for data storage
- Presented to CTO and implemented company-wide as of March 2023

Zipcar Uber Integration

April - June 2022

- Partnered with Uber engineers to implement Uber APIs with Zipcar's current platform
- Employed Uber's API to integrate functionalities into Zipcar's legacy codebase, allowing us to perform CRUD operations for existing Uber vehicle fleets
- Executed full regression testing to ensure functionality

Popcorn Perspective

October - November 2023

- Developed a comprehensive MERN movie application enabling user registration, film reviews, and browsing
- Implemented using ReactJS in frontend, NodeJS on backend, Mongoose as ORM and MongoDB as Database, utilized ODB open API for retrieving movie details
- Built a dynamic and engaging user interface with a blend of regular CSS and Bootstrap, crafting a visually appealing and intuitive experience for film enthusiasts

Extracurricular Activities

Freelancer Developer

July 2023 - Present

Independent Freelancer Developer

- Created a responsive website with React, Tailwind, and Next.js for a local nail salon, optimized for web and mobile platforms, serving over 200 monthly visitors
- Engineered reusable components, enhancing scalability for future expansions and modifications
- Executed seamless deployment of the website on Vercel, ensuring peak performance and responsiveness