

Debra Han

Boston, MA

H1-B Holder | 2023 GHC Attendee | debrah@bu.edu | LinkedIn shoutzu-han | GitHub 52147 | Personal Website

Work Experience

Software Engineer | *Windows Command Line, Angular, SpringBoot, PostgreSQL*
GO2POS

March 2024 - Present
Houston, Texas

- Provided comprehensive technical support for POS systems, including troubleshooting software, hardware, and network configurations.
- Demonstrated proficiency in utilizing command line interfaces to streamline operations and resolve issues efficiently, ensuring high satisfaction with POS technology support.
- Understanding of networking concepts, including TCP/IP, DHCP, DNS, and troubleshooting network connectivity issues.
- Led the development of a cutting-edge promotion and influencer platform for local businesses, enhancing visibility and engagement through innovative use of Angular, Spring Boot, and PostgreSQL, resulting in a 40% increase in business visibility and doubling the influencer network within a year.

Software Engineer | *Javascript, C#, T-SQL, ASP.NET, SSMS*
Foxconn

October 2023 - January 2024
Houston, Texas

- Improved B2B website performance and reliability significantly using ASP.NET Core framework.
- Developed a web application using ASP.NET Core and Razor Pages to streamline the check-in process for a Christmas party event.
- Demonstrated expertise in Oracle database management, storage optimization

Software Engineer | *React.js, Node.js, Express.js, Firebase*
Diamond Tofu

April 2022 - September 2023
Boston, Massachusetts

- Led the design and roll-out of a RESTful career portal showcasing job vacancies, streamlining application processes for candidates, and simplifying job application management for administrators.
- Capitalized on Google Cloud Platform to deploy the application, harnessing the Firebase Admin SDK to ensure secure and efficient CRUD operations within the Firestore database.
- Directly contributed to Diamond Tofu's impressive 80% surge in hiring rates.

Research Assistant | *React.js, Python, Flask, WordPress*
Boston University

May 2023 - September 2023
Boston, Massachusetts

- Orchestrated a complete overhaul of Research Lab's official website. Employed Figma for crafting an intuitive website prototype and harnessed WordPress for layout implementation.
- Administered the deployment process on Linux server, ensuring optimal performance through necessary configurations.
- Introduced responsive web design principles to the Deep Learning web service, integrating them with the React front-end and Flask back-end frameworks, to ensure an optimal user experience across a variety of device sizes.

Software Engineer | *HTML, CSS, JavaScript*
Boston University Spark

September 2022 - December 2022
Boston, Massachusetts

- Led the UX/UI design and development, aligning with business objectives using Figma.
- Collaborated with cross-functional teams to understand project requirements and design comprehensive test strategies.
- Proficient in CI/CD to manage SDLC development life cycle; utilizing tools like Trello for enhanced project management.

Technical Skills

Languages & Web: Java, C++, C#, JavaScript, TypeScript, HTML/CSS, Python, SQL, NoSQL

Databases & Cloud: MySQL, SQL Server, MongoDB, AWS, Azure, Firebase, Oracle database, Docker, Kubernetes

Tools & IDEs: IntelliJ IDEA, Eclipse, VS Code, Git, Railway

Frameworks & Practices: Spring, React, Node, Express, Axios, Redux, Tailwind, Bootstrap, Flask, Agile, Next.js, Jest

Education

Boston University
Master of Science in Computer Science

September 2021 - August 2023
Boston, Massachusetts

Soochow University
Bachelor of Arts in Political Science

September 2015 - June 2020
Taipei, Taiwan