

Brian Ho

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Objective

Highly adaptable and deliberative software engineering professional with a knack for ideation and problem-solving. Committed to maximizing the efficacy of every solution to drive team and organizational success. Thrives in dynamic settings and brings a unique, individualized approach to collaborative projects. Eager to contribute immediate value and readily available to start.

Education

Master of Computer Science

Northeastern University, Khoury College of Computer Sciences | Seattle, WA

Jun 2024

Bachelor of Geography - GIS, Mapping and Society, Minor Informatics

University of Washington | Seattle, WA

Aug 2020

Skills

Programming Languages: Proficient in Java, JavaScript, C#, Python, HTML, CSS, TypeScript, R.

Frameworks/Libraries: Experienced in using Bootstrap, Material UI, Angular, React, Spring, Node.js, ASP.NET Core.

Databases: Skilled in MySQL, MongoDB, SQL Server, DynamoDB, Redis.

Cloud Services: Familiar with AWS (EC2, S3), Azure DevOps, Google cloud, RabbitMQ.

Tools: Proficient in Git, ChatGPT, Visual Studio, Visual Studio Code, Gradle, Tomcat, Docker, Eino AI.

Experience

Associate Software Engineer

Infosys | Bellevue, WA (Remote)

Jan 2021 – Apr 2023

- Revamped tracking mechanisms, improving efficiency by 70% across 52 markets for Bing Wallpaper online content.
- Analyzed and documented intricate user experience bug reports across multiple browsers and operating systems.
- Developed user-centric features for Bing's new tab extension using HTML, CSS, jQuery, AJAX, and Chrome Extension API.
- Fostered a collaborative remote working environment and consistently improved the quality of Bing Search Chrome Extension development.

Related Projects

Solution designer - 5G Solution as a Service for Mars Exploration

Jul 2023 – Aug 2023

Experience Expo (Industry learning program) at Northeastern University

- Collaborated with 6 students and industry mentors to design a 5G indoor network simulation for future Mars bases.
- Conducted research on potential devices for indoor and outdoor networking solutions and created a 5G private network simulation using AI simulation tools.
- Developed a network monitoring demo dashboard using React.
- Received awards for Most Innovative Solution and Best Teamwork.

SKIER RESORT MANAGEMENT SYSTEM – Scalable Distributed System Course

Jan 2022 – May 2022

- Spearheaded the development of a robust, multi-threaded JAVA AWS cloud service, designed to deliver real-time monitoring of ski lift activity across multiple ski resorts.
- Executed a scalable microservices architecture, incorporating 4 EC2 instances and a load balancer to handle high-volume concurrent thread tracking (32, 64, 128, 256).
- Showcased proficiency in cloud-based services by integrating EC2 with Redis, Jedis, and RabbitMQ, paving the way for streamlined and effective data management.

SEATTLE TRAVEL AGENCY WEBSITE - Database management System Course

May 2022 – Aug 2022

- Led the design and development of a dynamic travel agency website showcasing popular Airbnb properties, parks, and eateries in Seattle.
- Employed JAVA, JSP, and JDBC in an efficient MVC structure, integrating customized MySQL with Airbnb open data.
- Managed the front-end design using HTML, CSS, and Bootstrap, and integrated Google third-party APIs for interactive map visualization.

Interests / Hobbies

Virtual Reality, Extended Reality, Machine Learning, Artificial Intelligence, Robotics, 3D Printing, Future Technologies, Gaming, Traveling, Reading, Camping, Enjoying Nature.