BRIAN HO

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EDUCATION

Northeastern University   **January 2022 - June 2024**
Master's, Computer Science   *GPA: 3.89*
- **Relevant Courses:** Algorithm, Programming Design Paradigm, Database Management, Scalable Distributed System, Foundation of Software development, Web development (React), Machine Learning (In progress)

University of Washington   **January 2018 - August 2020**
Bachelor's, Geography- GIS, Mapping and Society   *GPA: 3.5*
- **Relevant Courses:** GIS Mapping, GIS Database Programming, Tech Foundations with R, Coastal GIS, Database and Data Modeling, Design Methods, data programming

PROFESSIONAL EXPERIENCE

Infosys   **Remote**
Software Engineer   *February 2021 - April 2023*
- Orchestrated a transformational redesign of tracking mechanisms, amplifying efficiency by a remarkable 70% across 52 global markets for Bing Wallpaper digital content.
- Demonstrated meticulous attention to detail in dissecting intricate user experience anomalies across diverse browsers and operating systems, ensuring universal compatibility.
- Championed the development of user-aligned features for Bing's new tab extension, employing a toolkit inclusive of HTML, CSS, jQuery, AJAX, and Chrome Extension API.
- Nurtured a synergistic remote team culture, establishing a gold standard in Bing Search Chrome Extension development and quality assurance.

PROJECTS & OUTSIDE EXPERIENCE

5G Solution as a Service for Mars Exploration   **Seattle,WA**
Solution designer   *July 2023 - August 2023*
- Engaged in visionary collaboration with a team of six, architecting a groundbreaking 5G indoor network simulation tailored for future Mars habitats.
- Championed exhaustive device research, culminating in the crafting of a next-gen 5G private network prototype, simulated via advanced AI tools.
- Spearheaded the design of an intuitive network monitoring interface, harnessing the power of React, recognized for its innovation and team synergy.

Skier Resort Management System   **Seattle, WA**
                                                                       January 2022 - May 2022
- Directed the conception and deployment of a state-of-the-art, multi-threaded JAVA AWS cloud solution, delivering real-time insights into ski lift dynamics across multiple resorts.
- Pioneered a resilient microservices infrastructure, seamlessly managing high-intensity concurrent operations, enhanced by an integration suite comprising EC2, Redis, Jedis, and RabbitMQ.

Seattle Travel Agency Website   **Seattle, WA**
                                                                       May 2022 - August 2022
- Headed the design and deployment of a vibrant travel platform, offering curated insights into Seattle's Airbnb attractions, parks, and culinary delights.
- Skillfully integrated a robust backend using JAVA, JSP, and JDBC in an MVC architecture, synergized with Airbnb open data sets and dynamic front-end visualizations powered by Google APIs.

Geo-Blockchain Initiative   **Seattle, WA**
Front-End Developer   *July 2020 - January 2021*
- Spearheaded the development of a pioneering geo-blockchain application designed to galvanize cryptocurrency donations for economically vulnerable regions, successfully hosting fundraising events to uplift local communities.
- Revolutionized platform efficiency by transitioning to a full-stack architecture, leveraging cutting-edge technologies such as Vue.js, web3.js, MapBox, and MySQL, achieving significant improvements in website performance and user experience.
- Diligently assumed the lead front-end role, ensuring the seamless functionality and robustness of the application, culminating in a compelling and impactful demonstration to stakeholders.

SKILLS & INTERESTS

Skills: Agile, ASP.NET, AWS, Bootstrap, C#, JavaScript, Git, HTML/CSS, Java, MongoDB, MySQL, React.js, Redux, Python, Web Development, NoSQL, Express.js, Gradle, Jest, jQuery, Maven, Microsoft Azure, .NET, Node.js, Postgres, Postman, RabbitMQ, Redis, REST APIs, Socket.io, SQL, Tomcat, TypeScript, Vue.js, AngularJS, Docker, Firebase, Figma, Google Cloud Platform
Interests: Virtual Reality, Extended Reality, Machine Learning, Artificial Intelligence, 3D Printing, Gaming, Reading, Camping.