

Hritik Aggarwal

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EDUCATION

University of Washington, Seattle — *B.S. Computer Science, June 2022*

- **GPA:** 3.77/4.0 (*Annual Dean's List*)
- **Relevant Coursework:** Data Structures & Parallelism, Software Design & Implementation, Matrix & Linear Algebra, Full Stack Development, Applications of Computing, Hardware/Software Interface.

SKILL STACK

- **Languages:** Java, JavaScript, HTML5, CSS3, Bash, SQL, C#, Lua.
- **Technologies:** React JS, React Native, .NET, REST APIs, Node JS, Firebase, Microsoft Azure, OpenCV.
- **Soft Skills:** Collaborative, Confident, Innovative, Friendly, Initiator, Curious, Self-motivated.

WORK EXPERIENCE

Software Engineer Intern — Microsoft, Seattle

JUNE 2021 - PRESENT

- Worked on adding features and enhancing user experience at Xbox Game Pass.
- Used C++/WinRT, C#, XAML, and UWP Concepts to build new features for Game Pass on Xbox Console.
- Project features under NDA.

Undergraduate Teaching Assistant — Paul G. Allen School for Computer Science & Engineering, Seattle

JANUARY 2021 - JUNE 2021

- Assisted in teaching Software Design and Implementation (CSE 331) to a class of more than 200 students.
- Taught techniques for designing reliable & maintainable software through core **Java** concepts, **JUnit testing**, and event-driven programming; Maintained **Python** scripts for grading/updating student repositories.
- Facilitated discussions, tutored students, graded assignments, and performed other duties as necessary.

Software Development Engineer Intern — Doosan GridTech, Seattle

JUNE 2020 - DECEMBER 2020

- Worked on Distributed Energy Resource Management System for setting up a smart electric grid system.
- Implemented architectural techniques such as Microservices & Repository Patterns; **C#** and **.NET** to create a value-efficient algorithm; **Microsoft Azure Cloud Services** for data management and computations.
- Established easy Azure connection and communication with client system; debugged and resolved core issues; implemented linear programming optimizers for increasing system efficiency by more than 25%.

SELECTED PROJECTS

Founder & Full-Stack Developer — Catch Up, Seattle

JULY 2020 - PRESENT

- Facilitated people to reconnect with old contacts by skipping the awkwardness of making the first move.
- Used **React Native** to develop a mobile app; **Google Firebase & Cloud Function** for processing data and customizing the app.

LEADERSHIP EXPERIENCE

Lead Web Developer & Mentor — DubsTech Student Organization, Seattle

MARCH 2019 - PRESENT

- On-campus tech community that organizes hackathons, tech talks, and workshops on different topics including Computer Programming, Web Development, and User Experience.
- Conducted workshops and tech talks on elementary and intermediate web development technologies including **HTML5**, **CSS3**, **JavaScript**, and **React JS**.