Anish **Aggarwal**

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Work Experience

Spatial Systems 🔗
New York, NY

AR/VR Software Engineer, Unity, Amazon Web Services (AWS), React — *Sept. 2021 - Dec. 2021*

- Worked at the New York City Headquarters developing a cross-platform multifaceted virtual space with **41,000+** monthly active users
- Used **Unity** and **Amazon AWS Data Buckets** to develop core new features in the December 2021 release including a **one-click NFT auto gallery** to help collectors easily share art.
- Won the Spatial Annual Hackathon through by creating an *Animation Timeline Editor* 🔗 tool which uses the **State-Action-Model (SAM)** object-oriented design process. It allows users to take 'snapshots' (keyframes) of the room they are in and play it back with various transition options.

UWaterloo Blueprint 🔗
Waterloo, ON

Project Developer, React (Next.js), TypeScript, GraphQL, PostgreSQL, Heroku — *Sept. 2021 - May 2022*

- Developing a web application that aids the Richmond Disability Center (RCD) in providing parking permits to those with disabilities. RCD has helped a total of **29,290** individuals receive aid just in the last year. It has been serving the community for **35** years.
- Working as a full-stack developer on the **Create Renewal / Replacement Application flow**.
- Now apart of the Payment Services Pod where I will be working on verifying online payment requests through the use of the **Shopify API**.

CodeReach 🔗
Windsor, ON

Director & Senior Teacher, Python, Vue.js (Nuxt.js) — *Sept. 2018 - June 2019*

- Managed the day-by-day schedules and outreach programs for **100+** staff and students in the organization.
- Taught elementary school students the basics of coding in Python.
- Developed on the initial CodeReach website in Nuxt.js.

MasseyHacks V 🔗
Windsor, ON

Logistics Executive — *Sept. 2018 - June 2019*

- Organized the logistics of the oldest high school hackathon in Canada by collaborating with a team of **20+** members.
- Responsibilities included scheduling, fundraising, and event planning for **200+** hackers.

Projects

DiscourseVR - Web VR Debate Platform 🔗
HackKU 2021

Unity, Windows VR Headset, Nuxt.js, JavaScript, FFMPEG — *Apr. 2021*

- Created an application that records speeches and displays them online for timed feedback to help users practice their debate & public speaking skills
- Judges can join online to spectate and judge speakers who are present in the virtual space. Speeches are recorded with real-time feedback and stored online for speakers to review at a later time.

ChatSpaceVR - WINNER 🔗
WinHacks 2021

Unity, Windows VR Headset — *Mar. 2021*

- Developed a VR App that creates virtual recreational spaces where users can voice chat and play games like air hockey, table tennis, etc.
- Awarded **$1,000** in Amazon Gift Cards

Teleclinic - Online Medical Clinic 🔗
GrizzHacks 5

Nuxt.js (HTML / CSS), Express, PostgreSQL, JavaScript — *Sept. 2020*

- Created a web application that allows patients to book appointments, enter walk-in queues, and connect to doctors through zoom calls.
- Used **PostgreSQL DB** to store appointments & used **Zoom API** to connect appointments through application.

Honors & Awards

2020	**Schulich Leader Scholarship ($80,000)**, 1 of 10 students chosen from **300,000+** applicants across Canada		*UWaterloo*
2020	**René DesCartes Scholarship ($25,000)**, Highest-value math scholarship awarded to **less than 10** students		*UWaterloo*
2020	**Governor General's Award - Bronze Medal**, Ranked 1st academically in a class of **500+** students		*Vincent Massey S.S.*

Education

B.S. in Computer Science with Digital Hardware Specialization (Second Year)
Waterloo, ON

University of Waterloo — *Sept. 2020 - May 2025*

- **GPA: 3.96**