

Ayaan Kukreja

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EDUCATION

Wilfrid Laurier University Honours Computer Science, BSc

Waterloo, ON

Sep. 2023 – Apr 2027

WORK EXPERIENCE

Fortinos

October 2022 – Present

Crew Member

Burlington, ON

- Achieved high customer satisfaction by effectively communicating and interacting with customers, colleagues, and management, as measured by customer satisfaction survey
- Increased profit margin for the deli department per product by displaying organizational abilities in inventory management, optimization of product availability and completing online orders

Signature Auto Detailing

Jul. 2019 – Aug. 2024

Founder

Burlington, ON

- Improved company revenues and cash flow by \$400 in the first week and \$750 by the fourth week, as tracked on our Squire booking app, by managing two employees and implementing a low-budget, high-quality marketing strategy
- Achieved \$535 in revenue in 2 weeks, with a 40% overall profit margin with products and labour, while also being involved in P2P driven work culture to get jobs done efficiently

PROJECTS

BodyBuilding Form Coach App | Python, PySide6, OpenCV, MediaPipe, NumPy

- * Built an AI-powered desktop application that analyzes exercise form and automatically counts reps using pose detection
- * Implemented multi-angle tracking for compound lifts (bench press, deadlift, lunge, etc.) using MediaPipe Pose and OpenCV
- * Showcased personal passion for bodybuilding through fitness-oriented computer-vision innovation that helped me fix my form

Find My Study Group | Python, Java, Node.js, React, Git

- * Spearheaded development of a student platform using React, Node.js, and a Flask API, facilitating the creation of 30+ study groups within the first month of launch
- * Seamlessly connect the front-end with the back-end, ensuring smooth data handling and clean user interface integration
- * Regularly optimized the platform to fix bugs and implemented key features like user authentication to verify current students, improving security and usability

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), R, JavaScript, HTML/CSS, VBA, Assembly, Latex

Frameworks: React, Node.js, Flask, Django, Angular

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, IntelliJ, Eclipse, PowerBI

EXTRACURRICULAR

Association of Indian Students

September 2025 – Present

Outreach Executive

Waterloo, ON

- * Coordinated and executed cultural and networking events that built a supportive space for South Asian students to connect and participate in campus life.

Laurier Computing Society

Sep. 2024 – Present

Event Coordinator

Waterloo, ON

- * Coordinated 30-40 annual events, including workshops, hackathons, and speaker sessions, enhancing student engagement in computer science and other majors within Laurier
- * Accelerated sponsorship income to \$650 per event on average, as measured by increasing student attendance by implementing a D2L page, which allowed society events to grow and host more impactful events with greater budgets

The GoldenHack

Jun. 2024 – Present

Director of Operations & Corporate

Waterloo, ON

- * Facilitated the growth of 20 companies to 50 companies outreach per week by developing a mentorship package/guide and leading interviews in the hiring process of qualified mentors to join the team
- * Increased sponsorship donations from around \$4000 in 2023 to \$6000 in 2024 by reviewing the previous year's case and challenge pitch outcomes, and making necessary changes to each sector of our organization
- * Awarded Director of the Month and Team of the Month for both corporate and operations for September