JATIN MEHTA

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EDUCATION

University of Waterloo   **2021 – 2026 (Expected)**
*Bachelor of Computer Science (Co-op) - **Cumulative Average - 90.2**%*   *Waterloo, Canada*
Coursework: Object Oriented Programming (Enriched), Operating System, Data Structures, Algorithms

EXPERIENCE

MIT-PITT-RW Autonomous Racing Team   **April 2022 – Present**
Software Developer (Simulation and Infrastructure Team)   *Waterloo, ON*
- Worked on upgrading and extending software stack which uses **ROS2**, **Docker**, and written in **C++, Python**.
- Selected as one of the five people selected to travel to Italy to do track testing with a Dallara AV21 race car at **Autodromo Nazionale Monza** (official F1 track) as part of Indy Autonomous Challenge.

Geotab Inc.   **September 2023 – April 2024**
Software Developer Co-op (Data Platform Team)   *Toronto, ON*
- Leveraged **Puppeteer**, **Jest**, and **Cloud Functions** to prototype an E2E testing pipeline to monitor uptime.
- Worked with **Docker** and **Kubernetes** to deploy **Java** (**Spring Boot**) and **Node.js** services to Google Cloud.
- Developed a **REST API** using **Java Spring Boot** which was used to visualize "Snap-to-Road" algorithms.

Cradle Technologies Inc.   **May – August 2022, January - April 2023**
Software Engineer Co-op (Full Stack)   *Toronto, ON*
- Worked extensively on the core **Flask** server and **MongoDB** database which were used in demos to raise **$4M**.
- Built an authentication microservice in-house using **Node.js** and **Express.js** which leveraged cryptography to securely store and interact with private keys of over **14,000 accounts** saving **$50,000+** every year.
- Applied **object-oriented** programming (**OOP**) principles to extend support to **6+** blockchain platforms.
- Wrote **40+** unit tests using **PyTest** and deployed through **GitHub Actions**, resulting in **20% less downtime.**

Royal Bank of Canada (RBC)   **July 2021 – August 2021**
Software Development Intern   *Remote (Toronto, ON)*
- Recognized as one of **two top** tech contributors in the Summer Tech Labs intern program.
- Designed and developed an internal business tool to simplify Agile retrospectives by working with **React, TypeScript, WebSockets**, **SQL** and Strapi (**CMS**) which was used **across 10+ Agile development teams**.

Zappos Family of Companies   **July 2020 – August 2020**
Summer Intern (Machine Intelligence Team)   *Remote (Las Vegas, NV)*
- Developed a pipeline using **Python, Blender and AWS EC2** to generate 3D models used for Augmented Reality (AR) features which were released to **over 1 million users** and prototyped **ML (CNN)** models.

TECHNICAL SKILLS

Languages: Python, C, C++, C#, Java, JavaScript / TypeScript, SQL, GraphQL
Technologies: React, React Native, MongoDB, Node.js, Spring, Docker, Flask, MySQL, PostgreSQL
Tools: Git, GitHub, Linux, AWS (S3, EC2), Google Cloud (GKE), Android Studio, Unity, Unix, Linux

PROJECTS

OppHub ⧉ | React, Node.js (Express), MongoDB, Firebase, Google Analytics, AWS S3, Google OAuth
- Developed an online portal for high school students to browse over 500 opportunities which was used by **over 10,000 unique visitors**.