

JATIN MEHTA

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EDUCATION

University of Waterloo

Sept 2021 – April 2026

Bachelor of Computer Science (Co-op) - **Cumulative Average - 91.5%**

Waterloo, Canada

Awards: President's Scholarship of Distinction, President's Research Award, International Experience Award

WORK EXPERIENCE

Meta

May 2025 – August 2025

Production Engineer Intern (Ads ML Serving Team)

Menlo Park, CA

- Engineered a **C++** service, improving traffic transition efficiency by up to **120%** across **65+** ML models.
- Improved monitoring for a fleet of **16K+ GPUs** by adding aggregation features and graph visualizations.

Geotab

September 2023 – April 2024

Software Developer Co-op (Data Platform Team)

Toronto, ON

- Developed and deployed a **REST API** using **Java**, **Docker**, **Kubernetes** and **Google Cloud** to measure the performance of "Snap-to-Road" algorithms that fulfilled **1 billion+ requests** a day.
- Improved reliability of a **React + TypeScript** app by enhancing test coverage to over **80%** using **Jest**.

Cradle Technologies

May – August 2022, January - April 2023

Software Engineer Co-op (Full Stack)

Toronto, ON

- Built a **Node.js** authentication microservice, leveraging cryptography concepts to securely store and interact with private keys of over **14,000 accounts**, saving **\$50,000+** every year.
- Worked extensively on the core **Flask** server and **MongoDB** database which were used in demos to raise **\$4M**.
- Scaled core backend service to serve **10,000+** concurrent users using **Gunicorn** and **RabbitMQ**.

Zappos Family of Companies

July 2020 – August 2020

Machine Learning (ML) Intern

Remote (Las Vegas, NV)

- Developed a pipeline using **Python**, **Blender** and **AWS EC2** to generate 3D models from images used for Augmented Reality (AR) features which were released to **over 1 million users** in beta.
- Generated synthetic datasets in **Unity** using **C#** to train image semantic segmentation models and to prototype foot tracking deep learning models using **Convolutional Neural Nets (CNNs)** in **PyTorch**.

TECHNICAL SKILLS

Languages: Python, C, C++, C#, Java, JavaScript / TypeScript, SQL, GraphQL, Rust, HTML, CSS

Technologies: React, Node.js, MongoDB, PostgreSQL, Spring, Docker, Kubernetes, Flask, Jest

OTHER

University of Waterloo

August 2024 – April 2025

Undergraduate Research Assistant

Waterloo, ON

- Worked with Prof. [Xiao Hu](#) in the to implement state-of-the-art sparse matrix multiplication using **C++**.
- Worked with Prof. [Florian Kerschbaum](#) at [CrySP Lab](#) to implement private record linkage in **Rust**.

MIT-PITT-RW Autonomous Racing Team

April 2022 – September 2024

Software Developer (Simulation and Infrastructure Team)

Toronto, ON

- Improved developer tools used to run simulations using **ROS2**, **Docker**, **Linux**, **C++** and **Python**.
- Traveled to Italy for Dallara AV21 race car track testing at **Monza** (F1 track) and contributed to [ICRA paper](#).