

EDUCATION

- University of Toronto** Toronto, ON
 - Honours Bachelors of Science in Computer Science* *Sep. 2019 – May. 2023*
 - Computer Science Specialist, Computational Cognition Major, Focus in Artificial Intelligence*

EXPERIENCE

- Oracle** San Francisco, CA
 - Software Engineer Intern* *May 2022 - Present*
 - Distributed Computing:** Worked on complex, concurrent, scalable Cloud Software affecting 30+ companies in the Oracle Cloud Marketing team, some with 80,000+ employees.
 - Large Scale System Design:** Made advancements to the Oracle Cloud (OCI) system design and architecture, with a focus on service availability, system performance, and service reliability.
 - Development & Testing:** Developed data center resource management API using Java/J2EE with Selenium automated testing through the TestNG framework, reducing machine runtime costs by over 45%
- University of Toronto** Toronto, ON
 - Software Engineer R&D* *May 2022 - Present*
 - Computer Science Project:** Worked alongside Software Engineering Professor David Jorjani to develop a Full-Stack Web Application for 100s of Company partnerships with the University.
 - Research and Development:** Generated user stories, did entrepreneurial research on users, customers, and competitors, and developed a MERN Stack MVP (integrated with DevOps), that will be used by 600+ users annually through Senior-Undergraduate Software Engineering Courses (ex. CSC301).
- Deloitte** Chicago, IL
 - Cloud Engineer Intern* *Jun 2021 - Aug 2021*
 - Development Environment:** Reduced development overhead by using Docker to containerize development flows for Engineers across 150+ countries, reducing development overhead by 30%.
 - REST API Development:** Engineered an API with industry-standard OpenAPI specifications, connecting 100,000+ employees to internal cloud-based applications.
 - GitHub Codespaces:** Established a central, cutting-edge cloud development environment with GitHub enterprise workflows integration, that standardizes engineering projects across 300+ teams.
 - Cloud Platform:** Worked on development and architecture of central cloud-transformation application with testing, embedded security guardrails, and automated provisioning (connecting 50+ internal applications).

PROJECTS ACTIVITIES

- Project Director:** University of Toronto Machine Intelligence Team Startup Collaboration
 - Machine Learning Infrastructure & Integration:** Directed a team of 6-7 Machine Learning Engineers to manage Sub-Model Development and Full-Stack integration with milestones up to 3+ years
- E-Commerce Web Automation System:** Self-serving order placement/management system, built for a personal company.
 - Full Stack Development:** Developed using a technology stack consisting of a Vue.js front-end, a hybrid Laravel, Node.js/Express back-end, and MySQL database used by 10,000+ users.
 - REST API:** Self-consuming API that handles various resources (Users, Orders, Discounts), with JWT/OAuth2 security.
 - System Design & Architecture:** Analyzed various user flows between front-end and back-end and efficient integration with third-part real-time (Pusher) and payment-processing (PayPal/Stripe) APIs, for scalable software design.
 - DevOps:** Utilized CI/CD practices through GitHub actions and Heroku deployment with staging pipelines, currently streamlining 500+ commits.

PROGRAMMING SKILLS

- Languages:** Python, Java, JavaScript, C, C++, PHP, SQL
- Technologies:** AWS, Docker, Kubernetes, React.js, Vue.js, Node, Express, Laravel, MySQL, MongoDB, Scikit-learn