

Rohan Jagtap

(778)-316-4459 | rrjagtap@uwaterloo.ca | [Github](#) | [LinkedIn](#) | [Medium](#) | [Portfolio](#)

SKILLS

Languages: Swift, Python, C/C++, Java, SQL, Typescript, C#

Technologies: .NET, GCP, Azure, React, Angular, Node.js, MongoDB, Flask, Docker, Spring Boot, Unity

EDUCATION

University of Waterloo

Waterloo, Ontario

Honor's Bachelor of Software Engineering with Artificial Intelligence Specialization (BSE); GPA: 3.70 *Grad 2026*

Relevant Courses: Operating Systems, Databases, User Interfaces, Software Testing, Data Structures & Algorithms

WORK EXPERIENCE

Campfire (YC W22) | *Software Engineer Intern*

Remote · May 2024 - Present

- Implemented streaming responses for LLM inferences increasing **time-to-first-token (TTFT)** by **34%**
- Restructured **C#** scripts in **Unity** to parse **LiteGraph.js** knowledge graphs in **JSON** with **UUID** identification
- Developed and deployed **GPT Chat-Completion** endpoint to **GCP** decreasing response time by **43%**
- Reduction of LLM-assisted user response speed by **18%** through zero-shot prompting and custom delimiters

Nuclear Promise X | *Software Engineer Intern*

Toronto · Sept 2023 - Dec 2023

Project Management Tool

- Configured **MySQL** server connected to **SAP ASE** database and built **REST APIs** with **MongoDB** for querying
- Deployed PM tool with **Azure Kubernetes Service** with cost minimization with autoscaled node pools

LLM-Chatbot

- Improved **LLM** responses by implementing **OpenAI Embeddings** with **Azure Cognitive Search** facilitating storage and retrieval from the **Pinecone** vector database with the Semantic Search and RAG frameworks
- Developed **REST APIs** for LLM response using **Express.js**, and **MySQL** and deployed with **Azure Storage**, **Azure SQL Database**, and **Azure OpenAI** for a chatbot tool with **500+ users**

KPMG | *Software Developer Intern*

Toronto · Jan 2023 - Apr 2023

- Web-scraped government data with **Python** and **Beautiful Soup** and applied Sentence Tokenizing and Sentiment Analysis using **NLTK** library to create **CSV** files for KPMG connection knowledge graph
- Deployed audit risk-analysis tool using **Microsoft Azure**, **Databricks**, and **SQL** for **150+** employees
- Analyzed client data using **Python**, **Alteryx**, and **PowerBI** driving data analytics for projects worth **\$10,000+**

Royal Bank of Canada | *Software Engineering Intern*

Toronto · May 2022 - Aug 2022

- Developed **REST APIs** with **Spring Boot** & optimized APIs with **GraphQL** improving response time by **37%**
- Authored **25+** frontend components in **Angular.js** and **Bootstrap UI** to create pages visited by **3000+** users
- Completed **95%+** test coverage for unit tests and end-to-end tests using **JUnit**, **Mockito**, and **Postman**

Projects

GPHome | *Python, PyObjC, Pynput, Nltk, Pyperclip*

- Developed **MacOS** app for local GPT functionality using **SwiftUI** and **ChatGPTSwift API** for **OpenAI** endpoint

ScanAI | *iOS, AVFoundation, Swift, CocoaTouch, UIKit, GCP, CoreML*

- Storage app using **Swift** with Edge Detection using **AVFoundation** & **CoreML** and storage with **Cloud Firebase**
- Amassed over **500+** users in over five countries reaching a maximum of **100 DAUs** in the first month of launch

Interests: Juggling, Sound Engineering, Music Recording/Production, Weight Resistance Training, Guitar, Comedy (Dad Jokes)