

Kaveen Kumarasinghe

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Education

Bachelor of Applied Science, Computer Engineering - University of Waterloo

Sep 2019 – May 2024

Experience

Software Engineer – **Stripe** – Seattle, WA

Aug 2024 – Present

- Working on **moving money at unimaginable volumes across the world**, in any format, end to end

Software Engineering Contractor – **OpenAI** – Remote

Feb 2023 – Aug 2024

- Developed and maintained tooling for community analytics and model experimentation; played a **key role in the global GPT-4 multi-modality live showcase**

Software Engineer Intern – **Stripe** – Seattle, WA

May 2023 – Aug 2023

- Led a cross-functional initiative, solving the **#1** friction point for banking platform by using React, Typescript, Ruby, and GraphQL to create a tool that provides money routing insights to **600+** engineers and various teams
- Reduced routing-based questions and confusion by an estimated **25%**, augmented inter-team domain knowledge, and helped streamline money movement at the product layer

Software Engineer Intern – **Intuit** – Toronto, ON

Jan 2023 – Apr 2023

- Enhanced the backend data ingestion process using Java/Spring, Kafka, and gRPC, **boosting tax data ingestion accuracy by 5%**, ensuring precise extraction from key tax documents like W-2s and financial providers
- Led efforts to **integrate support for new tax forms**, expanding TurboTax US capabilities and broadening user accessibility to diverse tax form filing options

Software Engineer Intern – **Carta** – San Francisco, CA

Jan 2022 – Apr 2022

- Created an estimated **\$43M USD revenue stream** by enabling merging/acquired companies to rapidly generate tender-offer events; implemented an end-to-end platform with Python, Django, gRPC, React
- Overhauled transaction modelling, processing, and analysis using **finite state machines** in Python, reduced monthly money-in-money-out variances **by ~5%**

Software Engineer Intern – **Carta** – Waterloo, ON

May 2021 – Aug 2021

- Architected and developed a **bank account verification system** with Python, gRPC, Django, Celery, and Kafka; rolled out this net-new verification surface to all customers

Software Engineer Intern – **NCR Corporation** – Waterloo, ON

Sep 2020 – Dec 2020

- Engineered a fullstack application to monitor SSL certificate data across **10,000+** company VMs, using React, NodeJS (Express), MongoDB, Docker, and a Python/Pandas data toolkit

Software Developer Intern – **BlackBerry Limited** – Waterloo, ON

Jan 2020 – Apr 2020

- Built a **machine learning service** with Python and TensorFlow to predetermine correlations for file integrity alerts; **vital to the success of a division-wide security audit (SOC-2)**

Projects and Activities

GPTDiscord

Dec 2022

- Developed an open source OpenAI integration, garnering **1,600+ stars, 260+ forks, and various sponsorships**

Ontario Engineering Competition

Jan 2021

- Directed a 500+ attendee competition**, managing logistics, sponsorship, volunteers, and the problem space

Skills

Languages: Python, Java, Ruby, C, C#, C++, PHP, JavaScript, Go, SQL, HTML, CSS, Bash

Tools: Django, gRPC, Celery, Redis, TensorFlow, Kubernetes, AWS, NodeJS, React, Express, PostgreSQL, MongoDB, Git