Kaveen Kumarasinghe

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Education

Candidate for BASc in Computer Engineering - University of Waterloo   Sep 2019 – May 2024

Experience

Software Engineering Contractor **– OpenAI –** Remote   Feb 2023 – Present
- 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 **data analytics tooling** with Python, Django, Celery, and Kafka to view vital metrics and signals such as the duration of stuck funds on platform for compliance teams
- Built gRPC and REST endpoints/handlers to create a **bank account verification** feature using micro-deposits

Software Engineer Intern **– NCR Corporation –** Waterloo, ON   Sep 2020 – Dec 2020
- Engineered a fullstack application to monitor SSL certificates for both publicly and privately networked websites, using JavaScript, React, NodeJS (Express), MongoDB, and Docker
- Created a Python and Pandas service to collect, transform, and analyze vital data from **10,000+** company VMs

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 – kaveenk.com/gptdiscord   Dec 2022
- Developed an open source OpenAI integration, garnering **1,600+ stars, 260+ forks, and various sponsorships**

Ontario Engineering Competition – kaveenk.com/oec   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