

LEON DONG

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EDUCATION

University of Waterloo

Bachelor of Computer Science, Combinatorics and Optimization Minor

Sept. 2020 – Jun. 2025

Waterloo, ON

SKILLS

Languages: Python, Swift, Obj-C, Java, C, C++, Scala, Javascript, TypeScript, SQL

Technologies: Linux, Git, Torch, NumPy, SciKit, Spark, Hadoop, AWS

EXPERIENCE

Software Engineer Intern

Sept. 2024 – Dec. 2024

Meta

Menlo Park, CA

- Led migration of the OCR text detector model to match train and evaluation metrics. Additionally, trained and benchmarked model performance for constrained smartglasses hardware
- Introduced an LLM based auto-correction to enrich OCR outputs, carefully implemented with optimizations through **LLM output encoding** and **kv-caching** resulting in a relative **15% decrease** in word error rate
- Identified bottlenecks and implemented a solution in the OCR service by **parallelizing** server side post-processing of OCR results leading to a **50% reduction in latency** allowing for more robust post-processing

Software Engineer Intern

May 2024 – Aug. 2024

Databricks

San Francisco, CA

- Contributed across the stack and cross-teams to design, and build out multiple E2E account-related features using **Scala**, **Typescript**, **GraphQL**, and **Kubernetes**
- Fleshed out new invite code functionalities including generation, provisioning, searching, and resetting within the accounts internal tool to streamline the private previewing SOP, reducing load on engineering teams
- Integrated both **Arkose** and **IPQS** into the sign in and sign up experiences to prevent abuse on Databricks
- Laid groundwork for new **E2E testing infrastructure** using **Kubernetes cron jobs** to monitor the health of CUIs

Software Engineer Intern

Sept. 2023 – Dec. 2023

Intuit

Toronto, ON

- Impacted **millions** of users by developing new components and maintained old components using **SwiftUI** in contributing to Intuit's server driven UI design system team which serves all of Intuit's subsidiaries
- Introduced QoL changes through **package management**, fixing **test flakes**, and improving **code coverage**
- Provided **on-call support** by dealing with bugs reported by other teams in a timely manner to minimize impact
- Collaborated closely with designers and other engineers on a variety of engineering and design problems

Software Engineer Intern

May 2023 – Sept. 2023

LinkedIn

Sunnyvale, CA

- Worked fullstack on the LinkedIn flagship iOS app and API using **Objective-C**, **Swift**, and **Java**
- Conceived and executed E2E on multiple new promotional projects, driving **tens of millions** of dollars in ARR
- Reached **millions** of users with a new premium redeem page and conducted A/B testing
- Ensured excellent code quality and maintenance through **screenshot testing**, **unit testing**, and **bug bashes**

Software Engineer Intern

Jan. 2022 – Apr. 2022

Ecobee

Toronto, ON

- Revamped the dynamic in-app thermostat installation guide using **SwiftUI** and **GraphQL** for **millions** of new users to streamline the onboarding process for new users and reduce the load on the customer support team

Software Engineer Intern

May 2021 – Aug. 2021

Facedrive Health

Toronto, ON

- Bootstrapped a mobile app using **SwiftUI** including authentication, weather, and dashboard functionalities to be used in tandem with **thousands** of bluetooth wristband devices

PROJECTS

Co:herent

2022

- HackWestern 9 **first place overall** finisher
- Built a full-stack app that supports **speech-to-text** and **text-to-speech** conversation in tandem with **Cohere's LLM and sentiment analysis API** to streamline conversations for those with impaired hearing