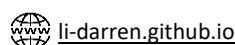
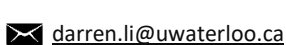
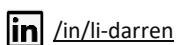


Darren Li



EDUCATION

University of Waterloo

Candidate for Bachelor of Software Engineering

Expected: May 2023

- 5X Term Dean's Honour List
- Courses: Data structures, Algorithms, OOP, Operating Systems, Concurrency, Database Systems, Networks

EXPERIENCE

Meta

Software Engineering Intern (Ads Delivery)

May 2022 – Present

- Enabled feedback loop of ad ranking models by aggregating prediction metrics into analyzable databases, increasing accuracy by over 10%,
- Developed code test coverage tool to accentuate testing of highly modified files, onboarding 25+ teams

Citadel Securities

Software Engineering Intern

Jan 2022 – April 2022

- Designed database grammar and parser to interface with custom in-memory streaming database, enabling clients to subscribe with queries to data records and stream over 100,000 results/second
- Architected multi-threaded service that consumes from Kafka and writes to distributed ClickHouse database at over 2,000,000 messages/second, enabling historical queries and cold storage for compliance

Salesforce

Software Engineering Intern (Commerce Cloud)

May 2021 – Aug 2021

- Spearheaded design of notification database models and APIs to provide real time deployment updates for customer applications, serving over 50+ project managers
- Threat modelled and migrated CI/CD pipeline to Jenkins to guarantee SOC and PCI security compliance, saving up to 30X in costs for resolving vulnerabilities

Genesys Laboratories

Backend Developer (Speech Recognition Connector Team)

Sept 2020 – Dec 2020

- Led the development of enabling high throughput publishing of text transcription results to other services, transmitting over 40000+ Kafka events per minute, by designing a Java concurrent task scheduler

Genesys Laboratories

DevOps Developer (Voice Platform Team)

Sept 2019 – Dec 2019

- Implemented AWS EC2 auto scaling and monitoring for docker microservice to create a highly scalable and maintainable application, saving up to 70% in costs
- Took ownership of automated gdb crash debugger Python script that analyzed AWS core dump files and graphed data with Matplotlib, increasing reporting speed by 400%

PROJECTS

SFTP Remote Server File Explorer – Java

May 2021

- Designed remote server file explorer that allows for navigation, editing (auto upload changes), renaming, deletion, and drag and drop to and from local explorer to optimize workflow involving remote server

EzCollab – Express, WebRTC

Mar 2020

- Launched screen sharing service to enable synchronous drawing (HTML canvas) on a screen share video stream and collaboration with over 20+ other web users using Socket.IO, Express server, and WebRTC

Hackathons: MakeUofT 2019 (2 category wins), uOttHack 2019 (4th place overall)

SKILLS

Languages: C++, Python, Java, JavaScript, SQL, C, YAML, HTML

Tools/Frameworks: AWS, Kafka, Docker, Git, Bazel, ANTLR4, GTest, Thrift, Jenkins, Django, Mockito, Express

Other Skills: Linux, GitHub, CI/CD, Data Pipelines, Clickhouse, OpenAPI, Jira, Postman

Interests: Cooking, Personal Finance, Coaching, Sports, Video Games