

Zach (Zuqi) Li

Software Engineer | University of Waterloo

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EXPERIENCE

Apple | Senior Software Engineer

Nov 2021 - Present | Seattle, WA

Rust, Java, Cassandra, Kubernetes, Docker, Oracle DB, Trino, Pkl



- Building the next generation of [App Processing](#) – ingests, analyzes, optimizes, secures, and prepares [~1.8M active apps](#) for distribution; backing [>34M](#) devs and [>4B](#) daily distributions
- Architected distributed systems to scan, extract, and serve application builds' [bundles](#) data; exposing key info supporting all [~1.8M active](#) + unreleased apps' lifecycles in the App Store
 - Worked closely with stakeholders and clients across the org to ensure successful launch

Microsoft | Software Engineer II

Sept 2018 - Oct 2021 | Redmond, WA (Intern @ Sept 2017 - Dec 2017)

C#, Python, Scala, Spark, Azure, ML.NET, TensorFlow, Databricks, TypeScript



- Led the development of [Shopping Newsletters](#), the system that brought personalized products to [millions](#) of shoppers weekly through email
- Built the [Unified Shopping Recommender](#) service, providing a consistent personalized shopping UX across offerings – from within Windows, to the Edge browser, to Bing & MSN
- Developed [Bing for Commerce](#) to bring intelligent autosuggest for clients' private datasets
- Shipped core [Bing Autosuggest](#) ML models: [language models](#) powering [next word prediction](#) boosting coverage by [>20%](#), [defect classifiers](#) cutting bad suggestions by [>15%](#) without compromising core metrics, and various rankers incorporating new signals and data

LinkedIn | Data Infrastructure Intern

Jan 2017 - Apr 2017 | Sunnyvale, CA

Java, Kafka, MySQL, Ambry



- Helped launch LinkedIn's [media infra](#) for ingesting and processing all digital assets sitewide
- Designed & built the infra's distributed [end-to-end validation/performance testing](#) platform
 - Runs experiments, monitors failures, reports/validates metrics for all media infra teams

Yahoo! | Software Engineering Intern

May 2016 - Aug 2016 | Sunnyvale, CA

Node.js, React, Fluxible, MySQL, AWS, Chai, Mocha



- Created [Yahoo! View](#) as part of the web team; hosted [thousands](#) of TV shows and movies
- Built interactive components and added search functionalities using [AWS CloudSearch](#)
- Integrated [Tumblr](#) content into Yahoo! View to show relevant official and fan posts

PROJECTS

Guest Lecturing | University of Toronto | Ranking Models, Feature Engineering April 2024

Guest Lectured [INF482 - Information Studies II: AI](#); discussed applications of machine learned rankers; training, deploying, and testing in production; career development in AI

KaeSwap | Website | Next.js, Apollo GQL, Flask, Postgres, AWS S3, Docker Dec 2018 - Jan 2021

A platform for fans to trade and resale their albums/posters/merch; received [thousands](#) of page views and [hundreds](#) of concurrent active users during the KCON LA event

Languages

- Rust
- Java
- Python
- C#
- C++
- JavaScript
- SQL
- Scala
- HTML + CSS

Frameworks

Web

- React + Next.js
- Apollo GraphQL
- Express
- Flask
- Redux

Data

- Spark
- Trino
- ML.NET
- Hadoop

Application

- Android SDK
- .NET
- Unity
- Unreal Engine
- OpenGL

Databases

- Cassandra
- PostgreSQL
- MySQL
- Oracle
- MongoDB

Tools

- Node.js
- Docker
- Kubernetes
- AWS
- Microsoft Azure
- Firebase
- Git + SVN
- Jupyter
- Vim

University of Waterloo

Bachelor of Software Engineering
Honours with Distinction
Sept 2013 – Apr 2018

