

Quoc 'Q' Cong

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SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, SCSS, Kotlin, Java, Python, C++, SQL

Frameworks: Angular, Flask, React, Jasmine, JUnit, Mockito, Dash Plotly

Tools: Git, Visual Studio, VSCode, XCode, JIRA, Microsoft Office

EXPERIENCE

Google

Jul 2022 – Present

Software Engineer L4 – Search UI

Chicago, IL

- Architected and scaled a centralized **UI component showcase** supporting **3+** distinct product catalogs across organization; grew the platform to over **10,000** active developer visits within the first year.
 - Presented live demos and documentation for core library components to improve developer **discoverability**.
 - Reduced **platform latency** by employing asynchronous rendering for component previews, ensuring high performance as the catalogs scaled.
 - Produced and revised detailed **documentation** as a cookbook for onboarding new catalogs and components.
- Developed and integrated **agentic skills** for creating new UI components with seamless registration and dependency management across multiple production catalogs.
 - Performed **evaluation and optimization loop** to identify critical architectural gaps and technical frictions, contributing to a **80%** success rate for automated component creation and testing cycles.
 - Produced high-impact **technical demonstrations** and **recorded walkthroughs** for AI builder initiatives, showcasing the capability of agentic workflows to accelerate the development of complex UI components.
- Served as the primary technical point of contact for multiple product launches, delivering custom components and themes, and resolving time-sensitive production blockers under tight deadlines.
- Maintained “Inbox 0” for platform support while serving on a **primary rotation**, triaging inquiries and resolving high-priority technical support tickets.

Software Engineer L3 – Ads Security

- Contributed to a **streaming pipeline** that processes and stores high-volume data for ensuring safety within Ads.
- Led the front-end development of an **Angular dashboard** to visualize pipeline data and launched into production for internal usage among the Ads auditing team, resulting in major improvement in team efficiency.
 - Built a **gRPC API** for querying data from the backend.
 - **Profiled and optimized** back-end queries with indexes, leading to a **20×** boost in querying speed.
 - Coordinated with cross-functional teams to triage and resolve **15+** tickets and feature requests post-launch.
- Implemented **integration tests** for the dashboard and the back-end pipeline, enabling the team to deliver new features on a weekly schedule while maintaining product quality.
- Executed a **server migration** to a new platform to increase support for production roll-outs and monitoring.

University of Michigan

Jan 2022 – Jun 2022

Graduate Student Instructor – EECS 280 (Programming and Intro Data Structures)

Ann Arbor, MI

- Collaborated with the course staff to assist with teaching **1300+** students.
- Held weekly labs to explain introductory **programming concepts and data structures**, such as Object-oriented programming, recursion, linked list, etc.
- Strengthened understanding on course materials and coding projects during office hours to foster student success.

PROJECTS

CityHaLLM | *Python, TypeScript, Flask, NextJS, TailwindCSS, DynamoDB, LLaMA*

Jul 2024

A web application where users can get summaries of city hall and council meetings, currently supporting **15+** meetings across cities in Michigan.

- Implemented a mobile-friendly interface with map visualization using **NextJS**, **TailwindCSS**, and **Leaflet**.
- Programmed an **API** on a **Flask** server for interacting with the back-end and database on **DynamoDB**.

EDUCATION

University of Michigan

Jun 2022

M.S. Computer Science & Engineering

Ann Arbor, MI