

# Ansel Zeng

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## EDUCATION

### University of Southern California, Viterbi School of Engineering

Jan 2026 – Dec 2027

MS, Computer Science

### Western University, Ivey Business School

Sept 2020 – June 2025

BSc, Computer Science + HBA, Business Administration

- Completed a dual degree between the CS Faculty and Ivey Business School; exchange semester at Tsinghua University
- Dean's Honour List, Deloitte Innovation Forum Case Competition (2<sup>nd</sup> Place), Western Scholarship of Distinction

## EXPERIENCE

### Ivey Centre for Building Sustainable Value, Research Assistant

July 2025 – Present

- Leading the development of a Flutter-based mobile app with state-driven logic, input validation, asynchronous workflows, relational data models, and real-time synchronization to support shared access across distributed users
- Designed and implemented a scalable backend using Supabase, including structured schemas, CRUD pipelines, and event-driven updates; collaborated closely with faculty advisors to align system architecture with research objectives

### TELUS, Software Engineer Intern

May 2023 – Aug 2023

- Owned the development of an internal ticket management system for a DevOps team, defining task assignment logic and state transitions while optimizing ticket creation and vendor coordination across teams of 700+ engineers
- Contributed to Open RAN integration initiatives with industry partners (Rakuten, Samsung), supporting network automation and system validation workflows related to 5G network deployment and Zero-Touch Provisioning

### Royal Bank of Canada, Software Engineer Intern

May 2022 – Aug 2022

- Enhanced auto-adjudication pipelines by implementing decision-tree-based ranking logic and rule-based scoring to identify low-quality mortgage applications, reducing manual review workload and improving system throughput
- Built and tested low-latency backend services using GraphQL, handling 100+ requests per second; implemented 50+ unit tests to validate complex logic paths and ensure production-grade robustness during legacy system migration

### Tweebaa (Startup), UX/UI Designer Intern

May 2021 – Aug 2021

- Translated user insights into refined design prototypes, streamlining information flow and resulting in a 30% increase in positive client feedback; collaborated with a global team to define app architecture for a successful startup launch
- Created a comprehensive portfolio of 500+ user-centric Figma designs, user flow diagrams, sitemaps, and mock-ups

## LEADERSHIP & PROJECTS

### Hack Western, Web Team Lead

March 2021 – Feb 2024

- Led a team of eight developers in the end-to-end development of Hack Western's dynamic landing page, live site, and robust application portal for over 1,000 applicants, collaborating effectively with design and cross-functional teams
- Expertly managed issue assignments, orchestrated regular meetings, and facilitated productive stand-ups

### SpotGPT, Creator

July 2023 – Aug 2023

- Developed an AI-driven music recommendation system by utilizing Spotify's audio features API with OpenAI models, designing logic pipelines to generate context-aware playlists based on user preferences and audio attributes

### Ivey Product Society, Product Management Fellow

Jan 2023 – April 2023

- Selected as one of 25 for a 4-month product bootcamp, receiving foundational mentorship from industry leaders
- Employed the lean product development process, conducted 20+ user interviews and crafted a Product Requirements Document to pitch a homepage customization feature aimed at enhancing Spotify's social experience

## SKILLS & INTERESTS

**Technical:** Java, JavaScript, Python, SQL, C++, Docker, Ubuntu, MongoDB, React, Node.js, Next.js, Gatsby, Camunda

**Product:** User Interviews, Road Mapping, Issue Prioritization, Technical Systems Design, Market Research

**Interests:** Videography, Hockey, Hackathons, Aerospace, Cooking, Karaoke, Studio Ghibli, Making Spotify Playlists