

Andrew Chow

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EDUCATION

University of Guelph

Bachelor of Computing, Software Engineering (Co-op)

Guelph, ON

Sept 2020 - May 2025

- Dean's List: Fall 2020 - Winter 2024
- GPA: 3.7/4.0

TECHNICAL SKILLS

Languages: Elixir, Python, JavaScript, Java, C, HTML, CSS, SQL

Tools/Frameworks: React, NextJS, NodeJS, Phoenix, Tailwind, gRPC, Oban, Kafka, Charles, Figma, TestRail, Docker, Datadog, Splunk

EXPERIENCE

Software Developer

May 2023 - Aug 2023

theScore

Toronto, ON

- Developed various features within theScoreBet's Promo-Engine to **2+ million** users across North America
- Optimized Promotion **gRPC APIs**, that effectively resolved network timeouts across multiple back-end services, enabling accessibility for customer service agents
- Implemented job processing using **Oban** to enqueue workers to distribute **1000+** promotional credits to patrons
- Utilized **Kafka** producers to broadcast expiration award messages for promotional credits across the **Kafka** cluster

Teaching Assistant

Jan 2023 - Apr 2023

University of Guelph

Guelph, ON

- Educated **200+** students by teaching user interface design concepts within weekly interactive labs
- Marked assignments, labs, and readings to provide valuable feedback to students
- Communicated effectively with faculty regarding student progression to address any concerns or questions

QA Analyst

May 2022 - Dec 2022

theScore

Toronto, ON

- Designed and implemented a Promotions Tracker feature for theScoreBet, incorporating market insights and user research to enhance **user experience** to increase **user retention** rates. This initiative was presented to Senior Leadership Executives.
- Maintained and managed Promotion's test suite, creating test cases that increased test coverage by **60%**
- Performed end-to-end testing to deliver successful promotional features, including **Leg Grading** and **Parlay+**
- Identified and logged critical bugs across various microservices within the application

PROJECTS

BetGenius | *Python, Tensorflow, Figma*

- Placed **first** in theScore's Summer 2023 Hackathon by working with 5 colleagues to develop a recommendation system to predict betslips for users
- Developed a machine learning model in **Python** and **Tensorflow** using collaborative-based filtering techniques to analyze a user's betting history
- Created a **Figma** prototype, incorporating user stories to illustrate the product experience

Molecule Visualizer | *C, Python, SQL, HTML/CSS, JavaScript, Swig*

- Developed a full-stack molecular visualizer using **C, Python, JavaScript, HTML/CSS, and SQL**, enabling users to view and interact with molecular structures in a web environment
- Created an interactive and responsive user interface, allowing users to easily manipulate and explore various molecules

AC Portfolio | *React, NextJS, Tailwind*

- Personal portfolio that illustrates my projects, experiences and blog