

# 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 - Fall 2023
- 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*

- Collaborated with product managers, designers, engineers, and stakeholders to develop various product features for 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 within theScoreBet's CMS
- Implemented cron jobs using **Oban** to enqueue workers to distribute **1000+** promotional credits to patrons
- Developed UI Components in **Phoenix Liveview** to display details for promotional credits for a given user

### 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 a Promotions Tracker feature for theScoreBet, leveraging market insights and user research to enhance the **user experience** and increase **user retention** rates
- Maintained and managed the Promotion's test suite, creating test cases that increased test coverage by **60%**
- Performed smoke, ad-hoc, and regression testing contributing to the release of theScore's In-House tech stack, resulting in an increase of market offerings and features, including **Parlay+**
- Created documentation for many features within the Promotions Service, resulting in a streamlined onboarding process for new QA members

## 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 bet slips 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 use cases and personas to illustrate the user's 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
- Implemented API routes in **Python** facilitating client-server communication for chemical data requests

### AC Portfolio | *React, NextJS, Tailwind*

- Personal portfolio that illustrates my projects, experiences and blog