Andrew Chow

647-970-3639 | ac.andrewchow@Gmail.com | linkedin.com/in/acandrewchow | andrewchow.ca

EDUCATION

University of Guelph — Guelph, ON
Bachelor of Computing, Software Engineering (Co-op) — *Sept 2020 - Present*
- Dean's List: Fall 2020 - Winter 2023
- GPA: 3.7/4

Brock University — St. Catharines, ON
Concurrent Education (I/S), Bachelor of Science, Bachelor of Education — *Sept. 2019 - April 2020*
- Community Executive - Residence Action Council

TECHNICAL SKILLS

Languages/Frameworks: Java, Python, C, Elixir, JavaScript, HTML/CSS, React, Phoenix, Phoenix LiveView SQL, PostgreSQL, gRPC, Oban, Kafka
Tools: Git, VS Code, Charles, Figma, TestRail, Jira

EXPERIENCE

Software Developer — May 2023 - Present
theScore — *Toronto, ON*
- Building new features within theScoreBet's Promo-Engine to **2+ million** users in North America
- Implemented and optimized **gRPC APIs** to communicate between various back-end services
- Developed background job processing using **Oban** to enqueue workers to distribute awards to users
- Built user interface components within theScoreBet's CMS tool using **Phoenix LiveView**

Undergraduate Teaching Assistant — Jan 2023 - April 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, a product specification aimed towards reducing customer inquiries. Analyzed user data, Created product document scopes, Mocked mobile prototypes, and defined KPI's, later presented to Sr. Leadership Executives
- Maintained and managed Promotion's test suite, creating test cases to increase 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 services within the application

PROJECTS

Molecule Visualizer | *C, Python, SQL, HTML/CSS, JavaScript, Swig* — Jan 2023
- 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
- Built a robust database schema using **SQL**, ensuring data integrity and enabling efficient querying of molecular data
- Created an interactive and responsive user interface, allowing users to easily manipulate and explore various molecules

ePortfolio | *Java, Swing* — Dec 2021
- Developed an application to help users organize new and existing investments by providing options to add, sell, update and search
- Utilized a hash map to improve search efficiency by over **90%** for existing investments
- Built a user-friendly GUI using Java Swing/AWT packages and OOP concepts to provide clean and scalable code