

WORK EXPERIENCE

Software Developer Intern

May 2022 – August 2022

Univeris Corporation

Toronto, ON

- Engineered and optimized wealth management software by designing, developing, and testing Python and Go components, achieving a **10% increase in software efficiency**.
- Developed and implemented unit, integration, and automated tests, leading to a **3% reduction in bugs** and errors.
- Contributed the integration of automated Know-Your-Customer checks into the on-boarding workflow as part of a 5-member Agile team, **reducing client setup time by 20%**.
- Debugged and enhanced existing systems, resulting in a **5% reduction in system downtime** and measurable improvement in user satisfaction.

EDUCATION

Honours Bachelor of Science in Computer Science

December 2025

University of Toronto

Toronto, ON

- Minor in Mathematical Science
- Minor in Business and Entrepreneurship

Relevant Courses: Software Engineering, Data Structures & Algorithms, Machine Learning, Databases, Information Security, Operating Systems, Neural Networks and Deep Learning

PROJECTS

NFL Prediction Model | Python, Pytorch, Jira | [Github](#)

December 2024

- Developed a Mixture of Experts (MoE) model integrating RNN, CNN, and MLP architectures to predict NFL game outcomes, achieving a 10% accuracy improvement.
- Processed and engineered features from the Big Data Bowl 2025 dataset (52M+ rows), including spatio-temporal tracking and game metadata.
- Conducted exploratory data analysis to validate key insights, such as home-team advantage and percentile-based player metrics, improving feature selection and interpretability.

Alzheimer Prediction Web App | Python, Scikit-Learn, Streamlit | [Github](#) | [Website](#)

September 2024

- Built a web application to assess Alzheimer's disease risk using logistic regression, incorporating 20 features for enhanced diagnostic insights.
- Achieved an 85% accuracy through hyper-parameter tuning (L1 penalty, SAGA solver) and improved pre-processing of 2100+ data points.
- Deployed the app using Streamlit, enabling user-friendly interface and real-time predictions.

TexChange | JavaScript, HTML, CSS, Python, Flask | [Github](#) | [Website](#)

August 2024

- Developed a roulette-style chatroom app connecting users for one-on-one chat sessions, handling 100+ simultaneous users with 99% up-time, utilizing WebSocket to implement real-time messaging.
- Built a responsive front end achieving 95% cross-device compatibility across mobile and desktop.

"Fittr" Fitness App | Python, Firebase, Flask, Git | [Github](#)

January 2024

- Designed back-end infrastructure for a fitness app in a six-person Agile team, utilizing Flask and Firebase.
- Implemented Firebase Authentication, reducing login failures by 30% and optimizing database schemas to improve retrieval efficiency by 25%.
- Developed a RESTful API to handle user data and interactions, improving system modularity and scalability.

SKILLS

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

Tools and Frameworks: Git, J-Unit, Django, MySQL, Firebase, Numpy, Pandas, Flask, NodeJS, AWS, Azure, PyTorch, PostgreSQL, Unix/Linux

Developer Skills: Object Oriented Programming, Data Structures, Algorithms, Agile, Data Analytics, Networking Concepts (TCP/IP, UDP), Machine Learning, Data Modeling, HTTP Server API, Micro-services, SCRUM

Soft Skills: Oral and Written Communication, Critical Thinking, Initiative, Problem Solving, Active Listening, Organization, Resilience, Innovative, Collaboration, Teamwork, Self-Starter Mindset, Creativity, Ambitious