Frick Wu

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EDUCATION

Toronto Metropolitan University (Formerly Ryerson) Toronto, Canada
Bachelor's in Computer Science (Co-op) *September 2021 – May 2026*
- Presented with Entrance Scholarship
- Relevant Courses: Data Structures, Algorithms, Artificial Intelligence, Database Systems, Software Engineering

EXPERIENCE

TheScore June 2024 – Present
QA Analyst - Payments *Toronto, ON*
- Developed and executed test cases, reported, and tracked defects using JIRA for sportsbook and back-end applications on both mobile and web platforms.
- Participated in code reviews and provided feedback on design and testing approaches, improving the overall quality of the software
- Conducted and written over 3000 test cases, performing regression tests, A/B testing, and smoke tests on theScore/ESPN Bet ensuring reliability for optimal user experience
- Contributed to the launch of the New York state edge on ESPN Bet, ensuring a stable release

Ministry of Public Business Service Delivery May 2023 – August 2023
Software Engineer Intern - Customer Experience Platform *Toronto, ON*
- Modified 10+ microservices with Spring and rigorously tested APIs using Postman, ensuring scalability and optimized performance
- Implemented 10+ Azure CI/CD pipelines for microservices resulting in 20% faster delivery of software
- Led migration of over 100+ Oracle SQL objects to Azure SQL maintaining data integrity and security
- Worked in an agile environment team responsible for rebuilding cloud solutions

PROJECTS

Encrypted Password Manager | *Python, Cryptography* July 2024 – August 2024
- Developed a password manager using Python that securely stores passwords by encrypting them with the Fernet symmetric encryption provided by the cryptography library, ensuring the safety and confidentiality of user data
- Designed and implemented file handling operations for reading from and writing to files, facilitating the storage and retrieval of encrypted passwords
- Created an interactive command-line interface that allows users to add new passwords and view existing ones
- Implemented input handling to process user commands, including encryption and decryption operations

Online Banking System | *JavaScript, MongoDB, ExpressJS, ReactJS, NodeJS* January 2023 – April 2023
- Collaborated with four classmates to develop a full-stack web application using the Incremental SDLC
- Built and integrated the application architecture, designed and implemented the database scheme, developed APIs, and build the user interface for seamless integration between the frontend and backend
- Coordinated with the project manager to develop an in-depth project plan, achievable milestones, and a roadmap
- Demonstrated outstanding leadership skills, technical expertise, and the ability to lead a team and complete complex development projects successfully

eCommerce System Simulator | *Java* March 2022 – April 2022
- Utilized Java to develop an eCommerce system allowing customers to purchase 7+ different products with over 10+ customization options on specific products
- Implemented over 5+ features into the system, creating a feature rich environment to increase the quality of life for customers
- Constructed error handling, classes and inheritance algorithms to provide protection and efficiency

TECHNICAL SKILLS

Languages: Python, Elixir, Java, C, JavaScript, HTML, CSS, Bash
Technologies: ReactJS, NodeJS, ExpressJS, MySQL, MongoDB, Git, Docker, Kubernetes, Terraform