Frank Kocun

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CANDIDATE SUMMARY

Third-year Computer Science student with a strong foundation in full-stack development and a passion for application security. Eager to apply software engineering skills and knowledge from Information Security coursework to identifying, assessing, and mitigating vulnerabilities in a hands-on internship.

EDUCATION

University of Toronto Mississauga   Sep. 2023 – Jun. 2028

Honours Bachelors of Science (H.Bsc), Computer Science, UTM Co-op Internship Program

Relevent Courses: Intro to Information Security, Software Design, Algorithms Design and Analysis, Data Structures and Analysis, Operating Systems, Software Tools and Systems Programming

SKILLS

Languages: Python, JavaScript, SQL, Go, Java, C, HTML, CSS
Developer Tools: Docker, Google Cloud Run, Git, Firebase (Auth & Security Rules), Linux, Agile/Scrum (SDLC)
Frameworks and Libraries: Flask, Pandas, Matplotlib, Scikit-learn, JavaFx
Security Concepts: Web Application Vulnerabilities (OWASP Top 10), Attack Detection & Log Analysis, Access Control

PROJECTS

Deck Supervisor Admnistrative Web Tool | *Firebase, Docker, Google Cloud, Flask, Pandas* May. 2025 – Present

- Built a scalable full-stack web application and backend API to automate class scheduling and roster generation.
- Implemented security controls including user authentication with Firebase Auth and database security rules to ensure users could only access their own data.
- Engineered backend services using Python (Flask) for data processing, deployed as a containerized service using Docker and Google Cloud Run.
- Designed and developed an intuitive, responsive web interface with JavaScript and Firebase.

Machine Learning Prediction Model | *Scikit-learn, Matplotlib, Git*   Nov. 2024 – present

- Developed a machine learning model using Scikit-learn to analyze and predict patterns, demonstrating expertise in data preprocessing and predictive modeling.
- Employed Git version control to manage different modeling approaches.

Desktop Paint App | *JavaFx, Scrum, OOP, Git*   Oct. 2024 – Nov. 2024

- Engineered a desktop paint application with a team of 4, following the Scrum framework (SDLC).
- Led the implementation of software design patterns to enhance code modularity and readability.

EXPERIENCE

Deck Supervisor   Jan. 2025 – Present
City of Brampton   *Brampton, ON*

- Developed and managed lesson schematics for a team of 6 instructors, ensuring smooth operation.
- Acted as the primary point of contact for up to 75 concurrent customers, addressing inquiries and resolving complaints promptly (Strong communication skills for reporting).

Lifeguard and Swim Instructor   Mar. 2024 – Present
City of Brampton   *Brampton, ON*

- Monitored the safety of up to 75 guests, ensuring a secure environment.
- Strengthened customer relationships through clear communication and high-quality instruction.