Nikita Ovramenko

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SUMMARY OF QUALIFICATIONS

- Experienced in **Java, Python, C/C++** with projects in **JavaFX, React, MongoDB, and Linux**.
- Strong foundation in **digital design, embedded systems**, and **software development**.
- Proven leadership in managing **multiple team projects**, improving collaboration and efficiency.
- Passion for solving challenging engineering problems with a mix of **technical and interpersonal skills**.

EDUCATION

Toronto Metropolitan University   Toronto, ON
Bachelor of Engineering in Computer Engineering; CGPA: 3.03   *Sep. 2022 – May 2026*

- Relevant Coursework: Computer Architecture, Operating Systems, Object Oriented Eng Analysis and Design, Algorithms and Data Structure.

PROJECTS

Personal Portfolio Website | *React, Typescript, JavaScript, CSS, HTML*   January 2025 – Present

- Designed an intuitive UI with **custom CSS animations, flexbox, and grid layouts** for responsiveness.
- Developed **custom JavaScript functionalities**, including form validation and event-driven animations.
- Integrated a **Google Map** in the contact section to improve user interaction.
- Hosted on **GitHub Pages** for easy access: [Portfolio Link](#).

Chat Application | *Java, Java Sockets, JavaFX, Docker, Raspberry Pi 4*   Ongoing

- Developing a **chat application** using **Java Sockets** for real-time communication.
- Building a custom **server** to manage communication, designed to run in a **Docker container** on **PI 4**.
- Creating a separate **JavaFX-based client application** for user interaction.
- Utilizing the **State Design Pattern** to enhance server **scalability** and **maintainability**.
- Implemented **multithreading** to establish individual connections between clients and the server.
- Developed and executed **JUnit tests** to validate core functionalities and ensure system reliability.

Small Bank App | *Java, JavaFX, NetBeans, SceneBuilder*   February 2024 – March 2024

- Developed a **scalable banking application** for up to 100 users, supporting account management.
- Implemented **user password authentication**, and secure data storage in separate files.
- Applied **object-oriented design principles** to ensure reusability and low maintenance.
- Used the **State Design Pattern** to develop a ranking system for account-based promotions.
- Designed and ran **JUnit tests** to verify transaction accuracy, authentication logic, and error handling.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, C#, JavaScript, TypeScript, MATLAB
Frameworks/Libraries: React, JavaFX, JUnit
Databases: MongoDB
Developer Tools: Git, GitHub, NetBeans, Visual Studio, Replit, Geany, SceneBuilder, Quartus II
Operating Systems & Hardware: Windows 11, Linux, Raspberry Pi 4