

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: 3.03/4.33(B)

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, CSS, HTML*

January 2025 – Present

- Developed a **fully responsive and interactive portfolio** to showcase projects and achievements.
- Designed an intuitive UI using **React**, ensuring smooth navigation across sections.
- 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 **Raspberry Pi 4**.
- Creating a separate **JavaFX-based client application** for user interaction.
- Utilizing the **State Design Pattern** to enhance server **scalability** and **maintainability**.
- Clients will download the application, which will connect to the server, enabling communication with other connected clients.

Small Bank App | *Java, JavaFX, NetBeans, SceneBuilder*

February 2024 – March 2024

- Developed a **scalable banking application** for up to 100 users, supporting secure transactions and account management.
- Implemented **user authentication, encryption**, and secure data storage in separate files.
- Applied **object-oriented design principles** (encapsulation, inheritance, polymorphism) to ensure reusability and low maintenance.
- Used the **State Design Pattern** to develop a ranking system (Silver, Gold, Platinum) for account-based promotions.

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