# Nikita Ovramenko

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## Summary of Qualifications

- Practical experience in programming with Java, Python, and C/C++, and developed projects using JavaFX, Python (with aiogram), and web technologies.
- Have experience in MongoDB, and Linux, with strong knowledge in digital design and embedded systems.
- Demonstrated leadership by managing multiple team projects.
- Seeking a challenging engineering role to apply technical and interpersonal skills in creative projects.

## Education

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

## Projects

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

- Developed a responsive and interactive **portfolio website** to showcase personal projects and achievements.
- Designed and implemented a user-friendly interface using **React**, ensuring a smooth navigation experience across different sections.
- Integrated a **Google Map** feature in the contact section to enhance user interaction and accessibility.
- Hosted and deployed the portfolio on **GitHub Pages** at https://nikitaaovramenko.github.io/Portfolio1/, with easy access to explore **other projects and accomplishments**.

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

- Developed a bank app for around **100 users**, supporting accurate account and transaction management with zero data errors.
- Implemented account management, transaction processing, and **user authentication** using Java.
- Built a system where each customer's account data is stored in a separate file, ensuring **privacy** and **security**.
- Applied object-oriented principles, including encapsulation, inheritance, and polymorphism, ensuring code **reusability** and **reducing maintenance.**
- Utilized the **State Design Pattern** to develop a dynamic ranking system (Silver, Gold, Platinum), which streamlined the process of handling account-level promotions, making it more **efficient** and **responsive.**

**General-Purpose Processor Design** | *Verilog, Quartus II, Digital Logic* December 2023

- Collaborated on designing a simple **general-purpose processor**, demonstrating core digital logic principles.
- Developed components such as latches, a finite state machine (FSM), and a 4:16 decoder to manage binary input states and produce accurate outputs.
- Implemented an Arithmetic Logic Unit (**ALU**) capable of performing multiple operations including sum, difference, bitwise XOR, and binary shifts.

## Technical Skills

**Programming Languages:** Java, Python, C/C++, C#, JavaScript,Typescript,HTML/CSS, MATLAB
**Frameworks/Libraries:** JavaFX, JUnit ,React
**Developer Tools:** NetBeans, Visual Studio, Replit, Geany, SceneBuilder
**Databases:** MongoDB
**Hardware and OS:** Raspberry Pi 4, Linux, OpenMediaVault