

# NATANIELLA OGOGO

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## EDUCATION

**University of Manitoba**, Winnipeg, Manitoba

B.Sc. in Computer Science | 08/2020, Expected 02/2026

**Relevant Coursework:** *Data Structures & Algorithms, Object Oriented Programming, Analysis of Algorithms, Databases Concepts & Usages, Human-Computer Interaction, Distributed Computing, Software Engineering I & II*

## TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, TypeScript, C, C++
- **Frameworks & Tools:** React, Vue.js, Git, Docker, Jest, Figma, IntelliJ IDEA, VS Code, Command Line (Bash/Terminal)
- **Databases:** MySQL, SQLite
- **Other:** CI/CD (GitHub Actions), Unit Testing (JUnit, PyTest)

## PROJECTS

### **QDog, Frontend Developer & Design Lead**

*React, Mantine UI, Spring Boot, MongoDB, Docker, GitHub Actions*

- Building a cross-platform veterinary management app for pet owners and veterinarians.
- Developing responsive Next.js (React) interfaces with Mantine UI for pet dashboards, diary entries, and appointment tracking.
- Implementing secure API integrations with a Spring Boot backend and MongoDB database.
- Contributing to CI/CD setup with GitHub Actions, Docker, and Kubernetes for team deployment.
- Collaborating with five other student developers using GitFlow and agile sprints.

### **OvaTech AI, Frontend Developer**

*React, TypeScript, Vite, Python (CNN)*

- Co-developed OvaTech AI, a web app connecting healthcare providers with individuals affected by PCOS.
- Built CNN-based image analysis and Random Forest ML models to support diagnostic predictions.
- Developed a responsive React web interface integrating live ML outputs and user data visualization.
- Improved usability through iterative design testing and Figma-based prototypes.
- Collaborated with five peers and two mentors under the AI4Good Lab fellowship program.

### **World Hub E-Commerce Website, UI/UX Designer & Frontend Developer**

*HTML, CSS, JavaScript*

- Designed a prototype e-commerce platform for a subscription-based snack service as part of an HCI course.
- Created Figma wireframes and interactive prototypes emphasizing usability and accessibility.
- Developed a responsive front-end interface with HTML, CSS, and JavaScript.
- Refined layouts through user feedback and heuristic evaluation to improve navigation flow.

- Collaborated with four other students to design and create this website.

## **Netflix Data Modeling & Query System, *Database Engineer***

*MySQL, Java*

- Designed a relational database for Netflix analytics to handle over 10,000+ user records.
- Optimized SQL queries for efficient storage and retrieval, improving performance.
- Integrated Java-based data layer for scalable database management.
- Collaborated with two other students to implement this database.

## **WORK EXPERIENCE**

### **AI4Good Lab, *Machine Learning Fellow***

Montreal, QC | 05/2024 – 06/2024

- Selected for the AI4Good Fellowship, supported by Mila, DeepMind, and Vector Institute.
- Collaborated with a cross-functional team to design and implement AI-driven healthcare solutions using Python and PyTorch.
- Enhanced model accuracy through hyperparameter tuning and data preprocessing techniques.
- Strengthened understanding of CNNs, NLP, and reinforcement learning through weekly applied projects.
- Presented findings and model outcomes during final showcase sessions to technical mentors.

### **Sally Beauty, *Beauty Associate***

Winnipeg, MB | 05/2025 – Present

- Provide tailored product recommendations and sales support to diverse customer needs.
- Operate POS systems and process payments efficiently while resolving in-store inquiries.
- Restock inventory and maintain organized displays for improved shopping experience.
- Collaborate with team members during peak hours to meet customer demand and sales goals.

### **Reitmans Canada, *Fashion Associate***

Winnipeg, MB | 08/2022 – Present

- Assist customers with product selection and styling to drive confident purchasing decisions.
- Process shipments, manage markdowns, and organize floor displays to maintain visual appeal.
- Handle online orders and coordinate courier pickups with accuracy and speed.
- Support team in a fast-paced retail environment, strengthening multitasking and communication skills.

## **LEADERSHIP & INVOLVEMENT**

### **University of Manitoba Women in Computer Science (UMWICS)**

**Website Committee Member** | 10/2024 – Present

- Developing a Vue 3-based website to modernize design and engagement.
- Implementing responsive layouts and improving accessibility features.
- Managing version control with GitHub and contributing to UI optimization.

**Treasurer** | 05/2022 – 04/2024

- Secured \$4,000+ in sponsorships from AWS and Ubisoft to fund tech workshops and events.
- Reduced costs by 15% through vendor negotiations and financial planning.
- Organized networking sessions and coding workshops with CSSA and .devClub.