

Klodiana Kamberi

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EDUCATION

York University

Toronto, ON

Bachelor of Science in Computer Science

Sep. 2023 – Apr. 2027 (Expected)

- GPA 8.07/9.00 or 3.73/4.00.
- Relevant Coursework: **Software Design** (OOP, design patterns, SDLC); **Operating Systems** (concurrency, memory, system calls); **Computer Networking** (TCP/IP, sockets, client-server); **Robotics** (ROS2, navigation, kinematics, noise handling).

Richview Collegiate Institute

Toronto, ON

Ontario Secondary School Diploma with French Certificate

Sep. 2019 – Jun. 2023

EXPERIENCE

Research Assistant & Programmer

Toronto, Canada

York University – Social Robotics Lab

May 2025 – Present

- Automated lesson creation with **Python and Selenium**, eliminating manual errors and reducing setup time by several hours.
- Developed workflow automation tools (calendar sync, task tracking, notifications) using APIs and webhooks, ensuring real-time updates and fewer scheduling conflicts.
- Enhanced a **Flask-based web application**, adding features and fixing bugs to improve usability for lab staff and students.
- Built a **ROS2 node** to control a vibration motor, modernizing robot behavior for consistency and maintainability.
- Debugged SSH connectivity issues, installed headless Ubuntu on Raspberry Pi devices, and configured Linux environments for robotics testing.
- Authored technical documentation, experiment guides, and user manuals to support consistent use of lab systems.
- Collaborated in Agile-style workflows, using **Git, Jira, and sprint planning**.

Lead Research Assistant

Toronto, Canada

York University – Social Robotics Lab

May 2024 – Sep. 2024

- Supervised, trained, and scheduled a team of 7 volunteers facilitating student sessions with the Abii educational robot.
- Designed and deployed feedback forms, collecting and analyzing data to inform robot effectiveness and research decisions.
- Introduced participation strategies that improved data collection consistency and engagement.
- Recognized for initiative and leadership; recommended for a Teaching Assistant role.

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, SQL, C, Bash, HTML/CSS

Frameworks & Tools: Flask, Springboot, React, Node.js, Next.js, Express, Selenium, ROS2, Bootstrap, Git, Jira, Docker, VS Code, Eclipse

Systems & Platforms: Linux, Raspberry Pi, SSH, AWS (deployments, IAM, DB setup), Railway

Other: MS Office, Google Workspace

AWARDS

Lassonde Entrance Scholarship

York University

- Awarded for an entrance average of 94%.

York University Automatic Entrance Scholarship

York University

- Renewed for maintaining GPA above 8.00/9.00.

CERTIFICATIONS

TryHackMe Cybersecurity Certificate

Issued 2024