

Martin Kamburov

Software Developer

martinivkamburov@gmail.com

Toronto, Ontario

martinkamburov.com

EDUCATION

Toronto Metropolitan University - Bachelor's of Science Honours, Computer Science

September 2021 - April 2025

Toronto, ON

Relevant courses

- Machine Learning, Database Systems, Data Structures and Algorithms, Computer Networks, Web Development

WORK EXPERIENCE

Exceed Robotics - Programming and Robotics Instructor

Dec 2021 - current

Toronto, ON

- Taught 50+ students **object detection** and **image manipulation** using **OpenCV** and **Google API**, enhancing skills for **extracting necessary data** with advanced object detection capabilities.
- Led the creation of **5 web development** courses, **boosting student enrollment by 20%**.
- Developed and led AI-focused projects, helping students implement Python-based applications with advanced capabilities, including **object, voice, and image recognition** using **Raspberry Pi** and **Google's API**.
- Helped multiple students engineer **Python-based mock Google Homes** using Google's API, achieving real-time data access and user interaction through advanced voice recognition technology.
- Designed and built an autonomous car powered by Arduino**, integrating multiple motors and sensors, including distance sensors, to enhance autonomy and precise control.

Royal LePage Signature Realty - Software Developer Intern

September 2024 - April 2025

Toronto, ON

- Developed a **Python** script using **Selenium** to **scrape data** from 1000+ listings, reducing data collection time by **50%**.
- Automated** the process of posting listings to Facebook Marketplace, **utilizing a proxy server** and **reducing manual input time by 90%**.
- Designed and built a **user-friendly web interface** for streamlined data entry, **enhancing user experience**, and **reducing workflow bottlenecks**.

PROJECTS

Schedule Faster - Next.js, React, MongoDB, Tailwind CSS, Vercel

- Built a dynamic and responsive **Next.js** frontend with **React** and **Tailwindcss**, optimizing UI performance and **reducing load time by 40%**.
- Developed a full-stack **freelancer scheduling application** using **Next.js** and **MongoDB** as the database solution, enabling real-time booking and **reducing scheduling conflicts by 40%**.
- Implemented **Stripe** for **secure payment processing**, enabling freelancers to monetize their scheduling services and receive payments directly through the platform.
- Implemented a secure authentication system using **Next-Auth.js** with secure login and registration options, including a **Google sign-in** feature to streamline the onboarding process for new users.

NBA Stat Finder - Java Spring Boot, PostgreSQL, React

- Developed a **Spring Boot REST API** that **queries a PostgreSQL database** for player, team, and game statistics, returning search results in **under 200 ms**.
- Designed a clear **PostgreSQL schema** (players, teams, seasons, game logs) and used Spring Data JPA to keep SQL code readable and maintainable.
- Built a **React front-end** featuring an auto-complete search bar and responsive stat cards so users can instantly view career, season, and per-game metrics.

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, SQL, Java, C, HTML, CSS, Bash/Shell, Arduino
- Databases:** MongoDB, PostgreSQL, SQL
- Frameworks and Libraries:** ReactJS, Spring Boot, NodeJS, ExpressJS, NextJS, Pandas, Numpy, Selenium
- DevOps:** AWS, Google Cloud, Git, Docker, CI/CD (GitHub Actions)