

Mark Luo *Computing Student Specializing in Software Design*

mluo9987@gmail.com • (343)580-2800 • Kingston, Ontario • markluo.vercel.app

EDUCATION

Queen's University

Bachelor of Computing (Honours)

09/2023 – Present | Kingston, ON

- Specializing in Software Design
- Dean's Honour List Recipient with a cumulative 3.9 GPA
- Relevant Coursework: Data Structures & Algorithms, Software Quality Assurance, Software Development Fundamentals, Software Specifications

EXPERIENCE

Education Director

Queen's Web Development (QWeb)

09/2025 – Present | Kingston, Ontario

- Develop and code full-stack educational material for QWeb's fall in-person tutorials, covering HTML/CSS, JavaScript, Node.js, React.js, and Tailwind.
- Prepare slides and technical resources for open lecture-style tutorials attended by 100+ students at Queen's.
- Collaborate with winter sprint teams to oversee and provide support in developing their projects and troubleshooting issues.

Data Analyst

Queen's Sports Analytics Organization

09/2024 – 05/2025 | Kingston, ON

- Conducted quantitative analysis on basketball statistics to produce insights for articles and reports on NBA topics.
- Create visualizations to communicate trends and performance metrics, including cleaning, structuring, and analyzing data.
- Communicated and collaborated with analyst team to validate findings and develop content.

Piano Teacher

Arden's Music

08/2023 – Present | Kingston, ON

- Deliver personalized lessons to students of all ages and skill levels, preparing them for RCM exams, recitals, and music events.
- Encourage student progress through active listening, clear feedback and supporting their musical journey.

PROJECTS

Personal Portfolio Website

React, Vite, Vercel, JavaScript, CSS, React Libraries

- Built responsive single-page portfolio showcasing projects, experiences, and awards.
- Implemented modular React components, Context API for theme management, and smooth scroll animations with Framer Motion.

Mood Playlist Generator

React, Vite, Node.js, TypeScript, Next.js, Spotify Developer API

- Co-developed full-stack web app generating personalized playlists based on user input.
- Built reusable React components and integrated Spotify Web API for personalized song recommendations based on keyword search.
- Implemented backend logic in Node.js and Next.js to process user input and manage API requests.

ACTIVITIES

Case Competition & Hackathon

Queen's Sports Analytics Organization

03/2025 | Kingston, ON

- Developed data-driven strategy for Memphis Grizzlies by analyzing player performance metrics and optimizing roster decisions within salary cap limits.
- Awarded **1st place** for providing strategic insights and actionable analytical recommendations.

Synopsis BioHackathon 2025

Queen's Synopsis BioTech

03/2025 | Kingston, ON

- Designed AI-powered platform to optimize clinical trial recruitment, implemented gamification, and ensured ethical data handling
- Awarded **High Impact Potential Award** for innovative healthcare solution.

SKILLS

- **Languages:** Python, Java, C, C++, Bash, JavaScript
- **Web Dev:** HTML, CSS, React, Node.js, Next.js, TypeScript
- **Tools:** Git, GitHub, Excel, Vite, VSCode, Eclipse, Vercel, Slack, Jira