

Dimitrios Gkiokmema

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EDUCATION

University of Toronto

Honours Bachelor of Science in Computer Science

Courses: Data Structures & Algorithms, Software Design, Web Dev, Artificial Intelligence, Relational Databases, Operating Systems

Expected Graduation: Spring 2027

Arts & Science Internship Program(Co-op)

EXPERIENCE

Lead Software Engineer

September 2023 - Present

University of Toronto & Dalhousie University

Online

- Spearheaded development of a **full-stack Android** application using **Kotlin** to enhance vascular surgery education for university students, leading a team of 20 developers.
- Leading **architecture decisions** for app modularization, improving maintainability and enabling faster onboarding for new contributors.
- Building custom **Android UI** components and reusable layouts to accelerate development and maintain visual consistency across the app.

Freelance Web Developer

April 2024 - September 2025

Extra Miles Tile & Stone Installations LTD - [Website](#)

Online

- Built a fully responsive quote request platform with an **interactive photo gallery**, allowing customers to view past projects and submit inquiries online.
- Developed a **Node.js** backend server to retrieve images from the **ImageKit API**
- Deployed a **Google Apps Script** integrated contact form with **automated** email notifications and data backups.

PROJECTS

Loyalty Program Website (HTML/CSS, Express.js, React.js)

[GitHub repo](#) 📄

- Engineered a full-stack role-based loyalty system web app with **JWT-secured authentication** for users, cashiers, managers, and admins
- Utilized **Prisma ORM** for database schema design and seeding, improving developer efficiency and maintainability
- Designed a Node.js SQL server that functions as a **REST API**, enabling structured **CRUD** operations and seamless interaction with the database.
- Implemented **conditional React** component rendering and routing based on the user's metadata.

Spotify Companion App (Java)

[GitHub repo](#) 📄

- Developed a **full-stack app** integrating **Spotify** and **Azure Cloud APIs**, providing advanced music recommendations to users.
- Followed **Clean Architecture** standards and the **Software Development Life Cycle** during development, ensuring modularity and scalability.
- Optimized search functionality with natural language processing (**NLP**), improving user experience through **description-based queries**.

Portfolio Website (HTML, JS, CSS)

[GitHub repo](#) 📄

- Created a personal portfolio website to **showcase** software projects, offering a centralized and visually engaging platform to highlight technical expertise and development experience.
- Engineered a **dynamic and responsive** web design, ensuring **optimal performance** across desktops, tablets, and mobile devices.
- Built an **interactive project gallery** that displays project visuals and provides direct links to GitHub repositories, enabling visitors to explore source code and technical implementations.
- Designed a **fully automated** contact form that sends real-time email notifications upon submission, streamlining communication with potential collaborators and recruiters.

Data Visualization Website (HTML, JS, CSS)

[GitHub repo](#) 📄

- Engineered an interactive data-visualization platform using **D3.js & Bootstrap**, transforming 100 years of Canadian UFO sighting records into animated timelines, seasonal/hourly patterns, and categorical shape-frequency charts
- Built a **Leaflet** geospatial map with layered datasets (sightings, airports, airbases), synchronizing D3-rendered markers with map interactions for spatial pattern analysis
- Architected **modular visualization logic** separating data parsing, scale generation, rendering, and interaction handlers to maintain clarity and scalability across the site.

SKILLS

Languages: Python, Java, C, HTML5, CSS, JavaScript, SQL, Assembly, R

Tech Stack: Git/Github, Linux, Bash, Microsoft Office