

Mohamed Brahim

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EDUCATION

University of Toronto

BSc. Computer Science, Minor in Geographic Information Systems and Statistics

Relevant coursework: Computer Science II, Calculus II, Linear Algebra, Geographic Information Systems (GIS) and Empirical Reasoning

Toronto, ON, CA

Sept. 2025 – Present

EXPERIENCE

Education Coordinator

University of Toronto Scarborough Sports Business Association

- Maintained and updated the association's newsletter website
- Played an executive role in the association's founding year
- Analyzed data to create meaningful articles related to sports business

October 2025 – May 2026

Toronto, ON, CA

PROJECTS

Personal Portfolio | *React, Next.js, TypeScript, Tailwind CSS, Framer Motion, Vercel*

Apr. 2026 - Present

- Personal web portfolio built using React
- Developed separate web components to create an organized layout for my website
- Combined various tools to create a smooth, user-friendly, animated experience

Lichess Dashboard | *Python, HTML, JS, CSS, Django, requests, json, Vercel, Git*

Apr. 2026 - Present

- Full-stack web dashboard which displays chess player information
- Retrieved and parsed JSON from Lichess API using the requests and json libraries
- Developed webpage using the Django framework in Python
- Applied UI/UX organisation and frontend development skills
- Continuously updated GitHub/GitLab repo, troubleshooted, and deployed via Vercel

Visualize TTC | *HTML, CSS, JavaScript, Adobe Illustrator*

Aug. 2025 - Present

- Interactive map of Toronto's TTC subway, LRT, and streetcar system. Includes current and under-construction lines
- Edited TTC vector map using Adobe Illustrator and used SVG file to create an interactive web app by combining it with HTML/JS
- Troubleshooted and deployed the project using Vercel

Housing Density Analysis | *PostgreSQL, QGIS, ArcGIS Online, Microsoft Office*

Oct. 2025 - Nov. 2025

- Mapped transit, housing, and land use data across a Toronto dissemination area to answer whether or not housing density in this area was uniform
- Used SQL to find useful data for my report
- Mapped using QGIS and ArcGIS Online, and wrote a report on my results

FBRef Stats | *OOP, Python, requests, pandas, BS4, Matplotlib*

2024 - 2025

- Python web scraping library which returns soccer statistics from the internet using BeautifulSoup4 and requests
- Combined with Matplotlib to create data visualizations

TECHNICAL SKILLS

Competencies: Data Analysis/Visualization, Web Development, Project hosting and deployment, Geographic Information Systems, Office Suites, Graphic Design

Languages: Python, C, HTML/CSS/JavaScript, TypeScript, Unity, C#, PostgreSQL

Web Frameworks/Tools: Django, React, Next.js, Tailwind CSS, Framer Motion

Developer Tools: Git, VS Code, Visual Studio, Unity, Google Workspace, Microsoft Office Suite, QGIS, ArcGIS Pro, Adobe Illustrator, Canva

Python Libraries: requests, json, BeautifulSoup4, pandas, Matplotlib

CERTIFICATIONS

- Python for Everybody, Python Data Structures | **University of Michigan**
- Application Integration Essentials | **IBM**
- Introduction to GIS Mapping | **University of Toronto**
- Healthy Urban Systems - Concepts and observations | **University of Lausanne**
- DELF B2 | **France Éducation International**