

Abu Yasin Sabik

yasinsabik.com 

Toronto, Ontario | yasin00sabik@gmail.com | 431-337-7630 | LinkedIn: [yasinsabik](#)  | GitHub: [yasbik](#) 

Recent **computer science graduate** with in-depth knowledge of data structures and algorithms, object-oriented design, technical architecture, and the **software development lifecycle (SDLC)**. Very passionate about coding, problem-solving, and learning new skills/technology. Experienced with both the **front-end** and **backend** of **software design, development, and testing**, including **web development** and **mobile development**. Fundamental proficiency with **DevOps tools** (version control, continuous integration / continuous deployment (CI/CD)) and **cloud computing** (AWS cloud platform).

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science – University of Manitoba

September 2017 - June 2022

Specialization in Databases (database implementation, working with Big Data, and data mining)

TECHNICAL SKILLS

Programming languages:	C, C++, Java, JavaScript, Python, HTML, CSS
Tools / Frameworks:	React, Node.js, Tailwind CSS, Android Studio, Junit, YAML, Swagger, Amazon Web Services (AWS), Git, GitHub, GitLab
Database Management:	SQL, MySQL, SQLite, Microsoft SQL Server, Neo4J

PROJECTS

Ixalan - An Android Application

- Developed a mobile/android application for booking movie tickets and purchasing movie merchandise.
- Followed **agile development** techniques to implement a **Three-Tier Architecture** utilizing SOLID principles and other software engineering design patterns to **minimize technical debt** and **increase maintainability and security**.
- Utilized **Test Driven Development (TDD)** by writing unit tests and integration tests, achieving **90% test coverage**.
- Created a **relational database** for persistent storage of data, and a website for presentation and exposure.
- Tech Stack: Android Studio, Java, HTML, CSS, JavaScript, SQLite, Junit, Gradle

Chow Town – A Web Application

- Built a web application for ordering food, with significant focus on **user interface (UI)** and **user experience (UX)**.
- Researched different technologies and implemented an innovative design idea by utilizing maximum screen space and interactive visuals to ensure **better web accessibility**, navigation, and **faster load times**.
- Followed the **waterfall methodology** and **User Centered Design (UCD) principles** to maximize usability and efficiency.
- Made both low-fidelity and **high-fidelity prototypes** to diagnose technical problems and test product design usability.
- Tech Stack: HTML, CSS, Bootstrap, JavaScript, React

Finding Aurora API – An OpenAPI Specification (OAS) Project

- Designed an API that lets users find information about past and future northern lights using different inputs.
- Followed **standard API architecture** patterns and **thorough documentation** for reusability and best practices.
- Tech Stack: YAML, Swagger, Markdown

WORK EXPERIENCE

Programming and Math Tutor – Paper Edu (Montreal, Quebec)

August 2021 – Present

- Running simultaneous, independent tutoring sessions with STEM students from varying grades, and ability levels.
- Solved **over 500 coding problems** in Python, Java, and C, as well as **basic web development** involving HTML and CSS.