

# AMMAR TARIQ

Toronto, Ontario

@ ammar.tariq@mail.utoronto.ca   ammart.me   647-621-0579   tariqammar   Ammar-T

## EDUCATION

University of Toronto

Toronto, Ontario

HBSC. COMPUTER SCIENCE CO-OP SOFTWARE ENGINEERING STREAM

2019 – Expected 2023

Relevant Courses: Software Engineering, Software Design, Databases, Data Structures/Algorithms, Systems Programming

Awards: University of Toronto Scholar Award - \$10,500, Dean's List 2019-2020

## SKILLS

Languages & Frameworks   Java, Python, C, React, Angular, JavaScript, TypeScript, Spring Boot, Flutter, Dart, HTML/CSS

Tools & Technologies   MongoDB, GraphQL, MySQL, SQLite, AWS, Git, Jenkins, Jira, Eclipse

## EXPERIENCE

University of Toronto - OISE

Toronto, Ontario

Full Stack Developer

May 2021 – Present

- Developing SCORE, an interactive e-learning platform supporting scripting and orchestration of complex collaborative learning experiences using **Angular**, **Spring Boot**, and **MySQL**.

Kontrol Technologies

Toronto, Ontario

Software Developer

Jan 2021 – April 2021

- Developed BioCloud, an **embedded device** built to detect airborne viruses including COVID-19, using **Java**, **React**, **SQLite**.
- Implemented major features and critical hotfixes which saved device resources by **20%** per detection cycle.
- Migrated JavaFX frontend to **React** by creating a Javalin **REST API** which led to a more user-friendly application.
- Integrated **AWS** CloudWatch to monitor system analytics, expediting the debugging process for engineers in the field.
- Automated software versioning in **Jenkins** to effectively track changes and facilitate future debugging.

## PROJECTS

ARTSIDEOUT App    

Flutter, Dart, GraphQL

- Developed an **iOS**, **Android**, and **Web** app for **14,000+** students attending UTSC's annual art festival, using **Flutter/Dart**.
- Integrated YouTube API to display videos and livestreams between artists, event organizers, and event attendees.
- Used **GraphQL** to reduce the number of API round trips when querying artists' profile information and art installations.
- Improved user experience between mobile and web by simplifying implementation into reusable styled components.

Sidecooks   

React, Express, Node, MongoDB

- Developing a platform allowing chefs to advertise and sell their home-made foods using the **MERN** stack.
- Utilized JWT for user authentication, **Cloudinary API** for media storage, and Redux for state management.
- Created a simple REST API that allows users to insert, modify, and delete their items from the MongoDB database.

Mock Bash Shell

Java

- Designed and developed a mock unix shell which allows users to execute several bash commands in a **Java** terminal.
- Worked in a team of 4, following **agile-scrum** methodologies to effectively communicate design choices and implementation requirements.