

Yazan Haddad

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Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, TypeScript, C, SQL (PostgreSQL)

Frameworks: React, Node, Express, TailwindCSS, Flask, FastAPI, JUnit

Developer Tools: NoSQL (MongoDB), Git, Github, TailwindCSS, BASH, Postman, Linux/Unix/Ubuntu, Docker, AWS

Education

York University

Bachelor of Engineering in Software Engineering

Toronto, ON

Expected: Apr. 2026

- **GPA:** 3.30/4.00

- **Coursework:** OOP, DSA, Computer Organization, Digital Logic Design, Software & Embedded Systems

University of Toronto

Bachelor of Science in Mathematics, Statistics & Computer Science

Mississauga, ON

Sept. 2021 - Apr. 2022

Experience

Club Executive

Computing Students Hub

Toronto, ON

Sept. 2024 - Present

- Supported club executives with organizing hands-on workshops for students, including **Git & Leetcode** sessions
- Maintained & launched a website using **React, JavaScript & TailwindCSS**, enhancing academic resources for **3000+** Computer Science, Software & Computer Engineering students at York University, with **100+** active users
- Curated detailed guides and resources for **30+** courses, including FAQs and additional support materials
- Addressed club executive feedback and provided regular progress updates within strict timelines
- Drove member engagement containing **1800+** students by assisting in planning events with **15+** executives

Projects

AniDex | React, Node, Express, MongoDB

- Built a full-stack application using the **MERN stack & Jikan API**, enabling users to search & add anime to watch list
- Allowed users to edit watch list by constructing a **REST API** with **CRUD** actions using **Node, Express and MongoDB**
- Designed & implemented a responsive user interface using **React & Material-UI**, improving user experience by **15%**
- Developed secure authentication systems using **JWT**, ensuring efficient and scalable user authorization processes

ArduinoVid-19 Assessment | Java, Arduino

- Implemented a COVID-19 screening assessment using **Java & an Arduino Grove** board with a temperature sensor
- Measured and plotted **temperature-zone graphs** from sensor data using Princeton's **Drawing Standard Library**
- Integrated libraries **JSSC & Firmata4j** to communicate with board pins, processing **50+** sensor reading trials with an average normal temperature bias of **3.1°C** between thermometer (**36.2°C**) and sensor (**33.1°C**)
- Prompted **Java Swing** dialogue boxes for user interactions, improving user input accuracy by providing real-time alerts based on sensor readings, using LEDs and buzzer

Stellaron Leaks Bot | Python, TypeScript, Docker, AWS

- Automated a Discord bot using **Python** that fetches and sends messages of leaks from Honkai: Star Rail Reddit communities using the **Reddit & Discord API**, without having to manually check Reddit
- Reduced cloud infrastructure costs by **24%** by containerizing bot dependencies with **Docker** and deploying on **AWS Lambda**, ensuring efficient resource usage
- Utilized **AWS CDK** with **TypeScript** to automate the provisioning and management of cloud resources, enabling scalable and maintainable infrastructure for the bot

NVIDIA Stock Predictor | Python, Pandas, Scikit-learn

- Built a stock market predictor for **NVIDIA** using **yfinance** data, analyzing key metrics such as Close, Volume & High
- Cleaned and preprocessed datasets using **Pandas**, enhancing predictive model accuracy for machine learning
- Fine-tuned a **Random Forest Classifier** to improve predictions & backtesting performance, achieving **77%** accuracy