

Yazan Haddad

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Education

York University

Bachelor of Engineering in Software Engineering

Toronto, ON

Expected: Apr. 2026

Coursework: Object-Oriented Programming, Data Structures, Embedded Systems, Digital Logic Design.

Experience

Web Developer

Remote

Lassonde Engineering Society

May 2024 - Present

- Maintained & launched a website using **JavaScript** & **Bootstrap**, 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.

Application Developer

Remote

Student Support Application Development Council

Jan. 2024 - Apr. 2024

- Contributed to support tools including a dining app at York University, with **85+** campus-wide restaurants.
- Utilized **BeautifulSoup** & **Python** to parse and filter data from York University's dining directory, improving user search efficiency with filters for dietary restrictions, cultural cuisine, and locations.
- Acted on student feedback and concerns, implementing changes to optimize and enhance user experience.

Club Executive

Toronto, ON

Computing Students Hub

Sept. 2024 - Present

- Drove member engagement in a club of **1800+** students by assisting in planning events & meetups.
- Assisted club directors with organizing & hosting hands-on workshops for students, including **Git** & **Python**.
- Led outreach efforts with **15+** executives, volunteers and boosting community participation among students.

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**).
- Designed and implemented **Java Swing** dialogue boxes for user interactions, improving user input accuracy by providing real-time alerts based on sensor readings, using LEDs and buzzer.

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 models accuracy for machine learning.
- Fine-tuned a Random Forest Classifier to improve predictions & backtesting performance, achieving **77%** accuracy.

Honkai Star Rail Leaks Bot | Python, Docker, AWS Lambda

- Automated a Discord bot that fetches and sends messages of recent Reddit posts from r/HonkaiStarRail.leaks using the **Reddit** & **Discord API**, without having to manually check Reddit.
- Reduced costs by **99%** by containerizing bot dependencies with **Docker** for deployment on **AWS Lambda**.

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, C, SQL.

Frameworks & Tools: Node, Express, React, Git, Github, Docker, MongoDB, BeautifulSoup, AWS, Bootstrap.