Yazan Haddad

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Education

York University — Toronto, ON
Bachelor of Engineering in Software Engineering — *Expected: Apr. 2026*

University of Toronto — Mississauga, ON
Bachelor of Science in Computer Science — *Sept. 2021 - Apr. 2022*

Coursework: Object-Oriented Programming, Data Structures & Algorithms, Software & Embedded Systems.

Experience

Club Executive — Toronto, ON
Computing Students Hub — *Sept. 2024 - Present*

- 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.
- Supported club executives with organizing hands-on workshops for students, including **Git** & **Leetcode** sessions.

Application Developer — Remote
Student Support Application Development Council — *Jan. 2024 - Apr. 2024*

- Contributed to a dining app supporting **85+** York University restaurants in a team of **6** developers.
- Utilized **BeautifulSoup & Python** to parse 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.

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

Stellaron Leaks Bot | *Python, Docker, AWS*

- Automated a Discord bot 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 costs by **24%** 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, TailwindCSS, Docker, MongoDB, AWS.