Yazan Haddad

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Education

York University   Toronto, ON
Bachelor of Engineering in Software Engineering   *Expected: Apr. 2026*
Coursework: Object-Oriented Programming, Data Structures, Computer Organization.

Experience

Project Manager   Toronto, ON
Lassonde School of Engineering   *Jan. 2023 – Apr. 2023*
- Managed and **lead** an **engineering course project** focusing on mental health of engineering students.
- Conducted engineering student **surveys** and research forming problem statement and solutions.
- Scheduled weekly **team meetings** and provided **feedback and next steps** for individual work in project **log report.**
- Delivered **presentations** to professors in seminars for weekly project progress.

Projects

ArduinoVid-19 Assessment | *Java, Arduino Uno, Princeton StdLib, Java Swing*
- Implemented a COVID-19 screening assessment using **Java + Arduino Uno** with a temperature sensor, achieving a temperature measurement accuracy within **±0.1°C**, after calibration and bias adjustment.
- Measured and plotted **temperature-zone graphs** using sensor data, with a mean accuracy of **33.1°C (sensor)** compared to **36.2°C (thermometer)**, alerting users to possible fever conditions.
- Integrated libraries **JSSC & Firmata4j** to communicate with board pins, processing over **100 sensor readings** per trial with an average temperature bias of **3.1°C** between therometer and sensor.
- Designed and implemented **Java Swing dialogue boxes** for user interactions, improving user input accuracy by providing **real-time alerts** based on sensor readings.

HungryLions | *Java, Python, SQLite, Java Swing, BeautifulSoup*
- Collaborated in a **team of 5** to develop and showcase a **dining application** featuring over **85 restaurants** across both Keele and Glendon campuses.
- Designed GUI using **Java Swing,** and established an **SQLite** database connection to handle over **1,000 user requests per day.**
- Parsed and filtered data from York University's dining directory and other sources using **BeautifulSoup,** enabling users to apply **filters** like **dietary restrictions, cultural cuisine and locations**, which improved search efficiency by **25%.**
- Enhanced code robustness by conducting **unit tests** with **JUnit,** covering over **95%** of the codebase, and successfully identifying and fixing edge cases.

York SWE Edge | *HTML, CSS, Javascript*
- Built a website using **HTML, CSS & JavaScript** as a guide for **250+** Software Engineering students at York University for academic success.
- Created comprehensive guides for students, covering **30+ courses, FAQs, resources,** and more.
- Optimized user experience by designing clear, concise, and interactive drop-down menus, which streamlined information access and reduced average navigation time by **30%.**

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, SQL.
Frameworks & Developer Tools: Node.js, Git, Unix/Linux, JUnit, Flask, SQLite, PostgreSQL.
Libraries: JSSC, Firmata4j, Princeton StdLib, BeautifulSoup.