Yazan Haddad

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Education

York University   Toronto, ON
Bachelor of Engineering in Software Engineering   *Expected Graduation: Dec 2026*
- **Courses:** Data Structures & Algorithms, Software Design, Computer Security, Computer Networks.

Leadership Experience

York University Computing Students Hub   Toronto, ON
Frontend Developer   *Sept 2024 - Present*
- Maintained club website using **React**, increasing online engagement through improved user experience and up-to-date content showcasing club information, executive team, and upcoming events.
- Adhered to best practices for commits, branching and pull requests with **Git** for efficient version control.
- Organized campus outreach initiatives by collaborating with club executives, resulting in successful events and workshops that engaged over **2000** members.

Projects

YorkU Engineering Course Roadmap · *React, TypeScript, Github Actions*
- Pioneered specialized course roadmaps and guides for software and computer engineering students, by building and maintaining a **React**-based platform, reaching more than **100** users.
- Automated **CI/CD** workflow with **GitHub Actions**, enabling continuous deployment to GitHub Pages.

Honkai: Star Rail Leaks Bot · *Python, AWS EC2*
- Created a Discord bot in **Python** scraping posts from the leaks sub-reddit using discord.py and the Reddit API, with instant community updates without having to manually check Reddit.
- Deployed bot on **AWS EC2** instance, configuring **Linux** environment and implementing continuous availability through systemd services to ensure **99.9%** uptime.

Arduino COVID-19 Health Monitor · *Java, Arduino*
- Engineered an Arduino IoT COVID-19 screening device in **Java** equipped with a temperature sensor, processing over **100** readings to accurately identify fever patterns within the **35-40°C** clinical range.
- Architected a comprehensive user interface combining **Java Swing** GUI, OLED screen, LED indicators, and audio alerts to ensure clear and accessible communication of screening results.

TV Watchlist Tracker · *React, Express, Node, MongoDB, JavaScript*
- Developed a full-stack application using the **MERN Stack**, allowing users to search, add, and manage shows on a personalized watchlist by integrating the Jikan API, providing data for over **26,000 titles**.
- Configured REST API with **Node & MongoDB** to allow CRUD operations to edit show watchlist.

Skills

Languages: Java, Python, HTML, CSS, TypeScript.
Tools & Frameworks: React.js, Node.js, Next.js, Express.js, TailwindCSS, Git, MongoDB, Postman.