

ELIAS HAWA

WORK EXPERIENCE.

Software Developer - [Carleton University Blueprint](#)

09/2020 - Present Day.

AGILE | NODE.JS | EXPRESS | MONGODB | JEST

- ⇒ Developed back-end functions and API's using Node, Express, and Mongoose, for the correct creation, retrieval and handling of essential information.
- ⇒ Composed several methodical unit tests using Jest allowing for the proper formation and maintenance of features, increasing test coverage by 13%.
- ⇒ Performed thorough research on external API's for it's usage in our project.
- ⇒ Initiated a successful transition to a more convenient messaging platform, increasing team communication and efficiency by over 200%.

Software Developer - [Carleton Computer Science Society](#)

05/2021 - Present Day.

HTML | CSS/SCSS | JAVASCRIPT | SVELTE | HUGO

- ⇒ Took part in the creation of several websites made for the viewership of over 2500 students within the faculty of computer science.
- ⇒ Created and made efficient use of numerous components using both svelte and hugo leading to a streamlined and maintained codebase.
- ⇒ Completed several important tasks and code reviews and authored numerous well described issues.

TECHNICAL PROJECTS.

[Event management discord bot - lineup](#)

02/2021

PYTHON | DISCORD.PY | GIT | HEROKU

- ⇒ Created an event queue management discord bot with three other students during a 24-hour hackathon, using Discord.py.
- ⇒ Designed concise solutions in increasing the scalability of our bot.
- ⇒ Successfully took charge in deploying and hosting our service using Heroku obtaining an outreach of over 40 servers.

[Command line interface game - Battlehauz](#)

12/2020

JAVA | GIT

- ⇒ Collaborated with three other students to create a command line interface game in Java for our final project providing valuable experience working in a team environment.
- ⇒ Aided in the creation of a scalable and stable project following model view controller principles resulting in an overall grade of 95%
- ⇒ Ensured that our codebase was readily distributable and accessible across multiple systems by adhering to principles of version control

EDUCATION.

Bachelor of Computer Science Honors. Carleton University.

2020 - 2024. Ottawa, ON.

Minoring in Physics

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SKILLS.

JAVA		PYTHON	
NODE.JS	HTML	CSS/SCSS	
JAVASCRIPT		EXPRESS	
SELENIUM	JIRA	GIT	
DISCORD.PY		BILINGUAL	
HEROKU	AGILE	MONGODB	

ASK ME ABOUT.

[My syllogistic fallacy trainer.](#)

04/2020 | JAVA

Innovated an original application to aide philosophy students in understanding syllogistic fallacies, using Java, improving student performance on assessments.

[My web-automation application.](#)

07/2020 | JAVA | SELENIUM

Built a web-automation application to enter raffles using Selenium in Java. Was able to apply quick learning skills to learn the library very quickly. Application has been used to enter over 10000 raffles and has saved a cumulative 11 hours of time.

[My blackjack bot.](#)

11/2020 | PYTHON

Completed a working game of blackjack in python as well as algorithms to play blackjack using combinations of well known strategies such as card counting and perfect strategy charts, resulting in end-game profits for over 50% of games.

[My hangman AI.](#)

10/2020

Participated in a challenge to construct a perfect algorithm to play Hangman. Completed the project in python which yields a 91.86% success rate in guessing over 200,000 different words within 6 guesses.