

Noah Hammoud

Ottawa, ON

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EDUCATION

Bachelor of Engineering, Software

September 2019 – Present

Carleton University, Ottawa, ON

- Third year standing, 11.72/12 (A)
- *Earned Dean's Honours List Award 2019-2020 & 2020-2021*
- *Expected Graduation Date June 2024*

RELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS

Technical Skills

- Programmed using **python, java, JavaScript, c, Golang, PHP, html, and CSS.**
- Developed skills in **user interface development, software development, object-oriented programming, artificial intelligence, web development, cloud computing and graphics.**
- knowledgeable in Windows, macOS, and Linux operating systems.
- Experience with embedded software development in C using the MSP-EXP432P401R Launchpad microcontroller board.
- Implement software design patterns such as the observer pattern, composition pattern and model view controller (MVC) pattern in post-secondary studies.

Communication Skills

- High level of communication skills through collaborative work in studies and work field. Able to express ideas and thoughts in a respectable manner.
- Developed the required communication skills necessary of engineers, through communications class taken during studies. Knowledgeable in writing various formal reports and skilled in oral communications.
- Collaborated with three or more group members on projects involving multiple formal reports and visual work.

WORK EXPERIENCE

Student Trainee - Cloud DevOps Engineer

May 2021 – Present

Communications Research Centre Canada (CRC), Ottawa, ON

- Gained hands on experience in Amazon Web Services (AWS).
- Worked with many different AWS services such as EC2, VPC, AWS step functions, AWS Lambda, CloudFormation, CloudWatch, s3, workspaces etc.
- Used the AWS Cloud development kit (CDK) frequently in projects to define cloud infrastructure as code.
- Automated workflows using AWS step functions which expanded infrastructure into different environments.

- Created python scripts using the Boto3 SDK to automate various tasks such as the creation and manipulation of AWS resources.
- Improved upon pre-existing serverless applications such as idle detection tools for EC2.
- Worked on disaster recovery related tasks which involved the recreation and redeployment of infrastructure.

Merchandise Team Member

June 2019 – May 2021

Costco Wholesale, Ottawa, ON

- Clean and organize stock on floor in aisles, on shelves and in refrigerators and freezers in all departments.
- Provide a high level of prompt and friendly customer service to Costco members while on floor, in accordance with all company policies and standards.
- Unpack, organize, and stock shelves, refrigerators and freezers in all departments as required during each shift while adhering to all company guidelines as well as federal and provincial health and safety standards.

ACADEMIC PROJECTS

AI Monopoly board game GUI

- Along side a group of three students developed software to recreate the famous board monopoly using java and the swing framework.
- Applied MVC and Observer design patterns as well as best practices for maintainability and reusability of code.
- Implemented AI players, GUI components and general functionality of software.
- Created user manual documentation, UML class diagrams and state diagrams.

PERSONAL PROJECTS

Projects can be found: <https://github.com/Noahh01>

AI Blackjack and AI tic tac toe (python)

- Implementation of graphics and user interactive features such as text, background, buttons, and user input. Application of object-oriented programming: to create necessary objects & to implement AI. Testing and debugging of the software.

Sorting Algorithm Visualizer (java)

- Created a sorting algorithm visualizer GUI using java swing. Visualizes bubble sort, merge sort and insertion sort. Involved object-oriented programming and used the MVC and Observer design patterns.

Personal website (html, CSS & JS)

- Created a personal website to become familiar with html, CSS, and JavaScript. Implemented the necessary features to make the website responsive to any type of device. Gain experience working with html, CSS and JavaScript.