**Ahmed Abdou**

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GitHub: https://github.com/ahmed-abdou1

**EDUCATION**

**Computer Science, Co-op September 2020-Present**

Carleton University, Ottawa, ON

* Third year standing, 10.11/12.0 scale(A-)
* Expected Graduation Date: Winter 2025

**Architectural Technology, Co-op September 2015-April 2018**

Algonquin College, Ottawa, On

* Graduated, 3.8/4.0 scale (A)

**WORK EXPERIENCE**

**Web Developer Aug 2022-Present**

Environment and Climate Change Canada

* Successfully wrote working code that generated data tables, filters and search engines using ASP.NET, JavaScript, and C# to help clients have better user experience.
* Proficiently extracted and manipulated data through a MySQL database within a Model-View-Controller (MVC) framework.
* Revamped form validation processes from server-side to client-side implementation, addressing a critical usability issue.
* Introduced JavaScript-based validation that comprehensively assessed user input in real-time, ensuring that no data, or object file would be lost during the process.
* Used Azure DevOps as version control to manage projects, track bugs and tasks, track work items, report bugs and for source control thus ensuring everyone on the team was up to date on tasks.
* Implemented responsive CSS through utilizing media queries, flex box, changes to the display, and navigation order to make the application user-friendly and visually appealing.
* Attended weekly meetings with management and clients in which we discussed new client requests, current bugs, and future changes to ensure weekly requirements are understood and met.

**Freelance Web Developer May 2021-September 2021**

Ottawa, Ontario

* Used programming libraries such as React to build a website presenting the clients podcast, architectural portfolio, and interests.
* Engaged in weekly meetings with the client to ensure that the website is built to their needs as the website develops.
* Deployed client’s website on AWS.

**Architectural Technologist/Project Administrator May 2018-September 2020**

House of Commons/Digital Services and Real property

Ottawa, Ontario

* Collaborated with a team of ten to develop Revit Building Information Modelling furniture for existing government buildings.
* Developed existing floor plans, sections, elevations, details taken from AutoCAD to Revit.
* Used software like Sketchup, Photoshop and Enscape to develop renderings of interior spaces.
* Collaborated with Member of Parliaments to build new spaces in accordance to their needs.
* Developed a floor plan, sections, elevations, details and renderings for the new Prime Minister’s office located at West Block.
* Presented bi-weekly educational presentations on the use of Building Information Modelling and how to use new industry leading software such as Revit.
* Participated in weekly meetings to discuss current and future plans to execute projects and answer questions.

**Architectural Technologist May 2017-September 2017**

Hobin Architecture Inc.

Ottawa, Ontario

* Collaborated with a team of three to develop a 13-story rental apartment building using Revit.
* Participated in site visits to check on current building construction.
* Communicated with contractors to ensure that the project was built in accordance to the working drawings that the building was planned for.

**Technical Skills**

* Developed a program using Java with knowledge of abstract data types and algorithms, Java FX and Object-Oriented Programming to create a graphical user interface of a game of Black Jack.
* Read Java files at different levels and traced through code to pinpoint a specific area of concern and resolved any possible bugs.
* Built a website using React, Git, and AWS services to display a client’s podcast page, architectural work, and interests.
* Programmed a website that allows users to create accounts, add camps they have visited and review them similar to Yelp using HTML, CSS, Bootstrap and JavaScript. A server was built to track and save changes using Git, REST API, MongoDB, Mongoose, and express.
* Programmed an architectural company website which allows users to browse through various services and contact the company through a contact form. This was done using HTML, CSS, Bootstrap, JavaScript, Node.js, express, and deployed using Heroku.

**Communication Skills**

* Fluent in English and Arabic.
* Collaborated with four team members to compete in a Lighthouse Labs 21 Day JavaScript Coding Challenge.
* Successfully wrote a research paper on the feasibility of green roofs which resulted in the findings that a green roof can save up $439,42 annually through water recycling in a sustainable manner and bring other benefits to the building it is placed on.
* Collaborated with five team members to develop working drawings, design, research and present a one year long building project that was LEED certified and built-in accordance to the Ontario Building Code.