Ahmed Abbas

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Work experience

📅 02/2020 – PRESENT ⌖ CALGARY, CANADA
Code Sensei
Code Ninjas
- Assisted Ninjas aged 7-14 develop games using block-based languages (Scratch and Make Code), and object oriented languages (Python, Java, C#, JavaScript).
- Worked with other sensei's to develop various software's to assist with the learning such as a screen monitoring software, and a punch in software.

📅 10/2020 – 12/2020 ⌖ CALGARY, CANADA
Software Developer - Innovator
Path Therapeutics
- Alongside AltaML & Path Therapeutics, I worked towards: developing and enhancing a ML model to be used in the detection of low, medium, and high level seizures.
- A GUI was constructed for this product to be readily available within the neuroscience and mental health fields.

📅 09/2020 – 12/2021 ⌖ CALGARY, CANADA
Junior Instructor
Canada Learning Code
- Constructed, evaluated, revised and delivered lesson plans that enhanced students understanding within many front end sectors.
- Optimized a wide range of instructional approaches and innovative classroom activities to best help students based off their learning capabilities.
- Utilized positive reinforcement and proactive behavior strategies to keep students on task.
- Monitored and reported student performances, whether that be: social, physical, mental or behavioral development overtime.

📅 09/2020 – 12/2020 ⌖ CALGARY, CANADA
Inbound Fulfillment Associate
Amazon
- Within this fast paced environment, my duties encompass mainly: stowing merchandise of various dimensions into their appropriate bin.

Education

📅 09/2019 – 04/2024 ⌖ CALGARY, CANADA
Software Engineering | Bachelor
University of Calgary
Software Engineering Cumulative GPA: 3.8

📅 09/2019 – 04/2024 ⌖ CALGARY, CANADA
Business - General | Bachelor
University of Calgary
Business Cumulative GPA: 3.5
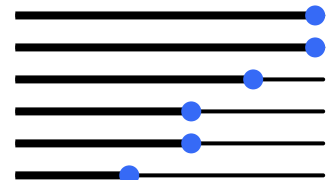
📅 09/2016 – 06/2019 ⌖ CALGARY, CANADA
Western Canada High School
Grade 12/Senior year Average: 96%

Skills

ⓘ TECHNOLOGIES

JavaScript	
Java	
Python	
C/C++	
HTML/CSS/SCSS	
Git	

ⓘ LANGUAGES

Arabic	**Native**
English	**Professional**

Volunteering

📅 09/2020 – PRESENT ⌖ CALGARY, CANADA
Developer
Calgary's Google Cloud Developers

📅 09/2020 – PRESENT ⌖ CALGARY, CANADA
Software Team Lead
Autonomous Electric Motorsport

📅 09/2020 – PRESENT ⌖ CALGARY, CANADA
Mentor
Schulich School of Engineering

Projects

🗓 2021
Fitness App
As gyms shut down due to COVID-19, many were affected including myself. So I utilized JS, HTML/CSS to make a change.
- Implemented external libraries & API's, Async/await, Promises, OOP, functions, error handling, decision control, loops, JSON, and many integrated methods (bind(), getDay(), etc).

How does the app work?
- A map is displayed, once the user clicks at any area of the map, a forum will be presented as well as a marker being placed
- Once the forum is filled, the workout activity will be logged and saved to local storage
- Such a log can letter on be edited and deleted
- Move to marker when log is clicked

🗓 2021
Supply Chain Management
The inspiration for this project closely relates to recent initiatives that the University of Calgary has taken. Currently, SCM at the university aims to divert filing cabinets, bookcases, and some furnishings in order to prevent usable materials from ending up in the landfill.
- Implemented/utilized packages such as swing, DriveManager, SQL, OOP, functions, complex data structures (arraylists, hashmaps, etc), error handling, UML, I/O streams, traversing trees, JUnit testing, and many more!

How does the app work?
- You are prompted with a Authentication GUI prompting for login
- The program communicates with a local MySQL server in order to look at a catalog of furniture and their reusable components to ultimately place an order
- The program's backend calculates the minimum cost it takes to create a given item using the list of furniture that is currently in our MySQL catalog else return recommended manufacturers

🗓 2021
English Dictionary
With English not being my first language I struggled learning it and so I am sure others did too which is why I utilized Python to ease learning English for others.
- Implemented/utalized SQL, GCM, JSON, I/O streams, functions, loops, parsing, decision control, formatted strings, etc

How does the app work?
- enter the word you are wanting to define
- if misspelled the closest valid word is then calculated and asked if that was what the user meant
- All possible definitions are then displayed.

🗓 2021
Online Shop
This application was built with the help of Pug/HTML, JS, NodeJS, MongoDB, SQL and Express.
- Implemented Authorization, Home, products, Cart, Orders, Add Products and Admin Products sections.
- Utilized Routing, MVC, database operations, cookies, CSRF, and error handling

🗓 12/2019
Sorting Visualizer
- Built a c++ application for visualizing the different sorting algorithms.
- Implemented Merge Sort, Quick Sort, Bubble Sort, Selection Sort, Insertion Sort and Heap Sort.

Strengths

Leadership Problem solving

Teamwork Responsibility Creative

Optimist Dedicated Analytical

Detail oriented Adaptable Tactful

About Me

I'm a 3rd year Software Engineering and Business student at the University of Calgary. I'm excited about building the future. Whether it be the infrastructure that powers the next billion users, or products that save us time, money, or both, count me in! I've taken classes on software engineering fundamentals - operating systems, data structures, you name it. I am constantly learning and growing as an engineer. I'm always interested in learning about more opportunities in tech!