

Ahmed Abbas



📍 Canada T3C0X6, calgary, 1231 15 ave SW 📞 4036309666

✉ ahmed.abbas1@ucalgary.ca 🌐 ahmed-abbas.com 📄 github.com/ahmeda110/

📄 linkedin.com/in/ahmed-abbas-a194951b4/

Work experience

📅 07/2021 – PRESENT 📍 CALGARY, CANADA

Software developer intern GAO Tek Inc.

📅 06/2021 – 08/2021 📍 CALGARY, CANADA

Data Engineering Intern UnTribe

- Utilized unTribe's pre-release Cloud-Native Data Integration (CNDI) software to implement and perform data integration work to support marketing efforts.
- Report on software issues or suggestions for documentation improvements; this includes: working with the: software development, design, execution of analysis and testing teams on making new feature requests, logging bugs, and improving documentation.
- Mainly worked with Data retrieval and manipulation, data integration tooling, Python/Spark, Data modeling, cloud infrastructure, etc.
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📅 02/2020 – PRESENT 📍 CALGARY, CANADA

Lead Code Sensei Code Ninjas

- Assisted Ninjas aged 7-14 develop games using block-based languages (Scratch, MakeCode, etc), object oriented languages (Python, Java, JavaScript, etc), 3D modeling and printing with TinkerCAD, and game development with lua and unity.
- Worked with other sensei's to develop various software's to assist with the learning.

📅 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.

Work experience

📅 09/2020 – 02/2021 📍 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



LANGUAGES

Arabic
English

Native
Professional

Volunteering

09/2020 – PRESENT CALGARY, CANADA

Software Team Lead Autonomous Electric Motorsport

09/2020 – PRESENT CALGARY, CANADA

Memeber Calgary's Google Cloud Developers

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 later 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, DriverManager, SQL, OOP, functions, complex

Projects

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/utilized 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.