

# Mahmoud Abdelaty

Calgary, Alberta

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## Education

### Bachelor's Degree in Computer Science

UNIVERSITY OF CALGARY

Calgary, Alberta

2019 – 2023

Relevant Courses : CPSC Majors I & II, Principles of Microeconomics, Linear Methods, Calculus, Discrete Mathematics, Elementary Formal Logic, Statistics, Data Structures, Algorithms & Analysis, Computing Machinery I & II, Thinking with Data, Personal Financial Management, Computability, Intro to Software Engineering, Info Security & Privacy, IT Ethics, Design & Analysis Algorithms, Programming Paradigms, DBMS, HCI I & II, Web-Based Systems.

## Project Experience

### Agora

NodeJS, React, ASP.Net, SQLite, CSS,

HTML, Java, Swagger, Postman API

Github Repository

FEBRUARY 2022 - APRIL 2022

- Lead a group of 3 to build a full-stack ecommerce store base and DBMS targeting small businesses.
- Used **Node.JS** and a **REACT** UI Frontend that communicated with an **ASP.NET Core V6 Minimal Web API** to perform CRUD operations.
- Utilized a **CODE-FIRST** approach to generate the database using **entity framework**.

### Cooks N Books

C#, WPF, XAML, CSS, Git

Github Repository | Video Demo

FEBRUARY 2020 - APRIL 2020

- Identified work contexts, system constraints and expected users based on research conducted utilizing the task centered system design process.
- Designed paper prototypes and hand drawn sketches for the UI/UX.
- Utilized an agile workflow to keep track of progress and efficiently manage personnel
- Conducted an in-depth heuristics analysis on the final prototype identifying **29** heuristic problems with **5** causing major usability problems.

### Self Checkout Station

Java, JUnit

Github Repository

FEBRUARY 2021 - APRIL 2021

- Worked with a team of 12 members to develop a self checkout station system.
- Worked with the back-end team to implement key features for the checkout station.
- Co-lead the quality assurance team and built **JUnit** unit tests for the entire system ensuring a bug-free system.

### Game Tracker Discord Bot

Python, APIs, Digital Ocean

Github Repository

JULY 2020 - SEPTEMBER 2020

- Utilized both the discord and faceit apis to fetch, collect and post data based on live matches 24/7 and player statistics upon request.
- Hosted, deployed, and maintained for months on **DigitalOcean**.
- Optimized running time to **increase response time by 86.67%**.

### Side Scroller Video Game

Java, JavaFX

Github Repository

FEBRUARY 2020 - APRIL 2020

- Designed and developed a side-scroller adventure video game utilizing **java** and **javafx** among a team of 4 where I created sprites for the character model and implemented a collision system to ensure smooth and seamless movement and interaction with the game world.

## Work Experience

### Royal Bank of Canada

Remote in Calgary

AUTOMATION ENGINEER (INTERNSHIP)

January 2023 - August 2023

- Automated compliance workflows using **Ansible playbooks** to parse **Tableau** views, clean data, identify compliance issues, and assign **JIRA** tickets, eliminating toil and improving efficiency across the bank.
- Developed an implementation for transaction monitoring on **MQ** channels through **Dynatrace**, enabling real-time tracking and performance using **Elastic**.
- Worked in an agile environment using **Jira** to keep track of tasks and progress in sprints and **Pls** and **Confluence** for documentation purposes.
- Utilized **Docker**, **Jfrog Artifactory**, **ServiceNow**, **Dynatrace**, **Moogsoft**, **Vault**, and the **ELK stack** following SRE principles and best practices, resulting in improved reliability, security, and accelerated development cycles, while increasing data observability.
- Designed and developed **self-healing token** capabilities on Ansible Tower.

### YaLLa Esports

Dubai, UAE

DATA ANALYST & JUNIOR COMMUNITY MANAGER

April 2021 – Present

- Co-lead the data analysis team compiling monthly, quarterly and campaign-focused data reports, in addition to competitors reports, evaluating technical and social aspects leading to a consistent increase in engagement, impressions and social growth.
- Assisted in growing the organization's social media channels by covering live games, generating content ideas, producing content, organizing community events, and communicating with the fans.
- Utilized data analysis tools such as **Excel**, **Cavea** and **Tableau**.

### Middle East Stars League

Remote in Dubai

HEAD ADMIN

April 2020 – November 2021

- Managed both daily operations and tournaments for a gaming hub helping it **grow tenfold** with over 12500 followers and 3000 paying active subscribers.
- Oversaw staff work and provided insight and assistance to new staff as well as handling staff applications and hiring new staff.

### Freelance

Dubai, UAE

ESPORTS ADMIN - OBSERVER - EVENT ORGANIZER

2020 – 2021

- Worked with esports operators such as **PLG**, **Webedia**, **Saudi Esport Federation** to ensure and maintain contestants happiness and satisfaction through fair rulings and official communication for events sponsored by large brands such as **KFC**, **Adidas**, **Red Bull**.
- Coded scripts to **verify 5000+ contestant profiles** saving over **200+** hours of work for a 9-man admin team.
- Assisted in formulating storytelling narratives for the social media teams.

