

# 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 for 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

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.
- Utilized a CODE-FIRST approach to generate the database using entity framework.
- Maintained a minimal API to perform CRUD operations.

NodeJS, React, ASP.Net, SQLite, CSS,  
HTML, Java, Swagger, Postman API

<https://github.com/krang-8/Agora>

### Cooks N Books

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.

C#, WPF, XAML, CSS, Git

<https://github.com/krang-8/cooksNbooks>

### Self Checkout Station

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 test units for the entire system ensuring a bug-free system.

Java, JUnit

<https://github.com/krang-8/SENG-300-Iteration-3>

### Game Tracker Discord Bot

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%.

Python, APIs, Digital Ocean

<https://github.com/krang-8/Game-Tracker>

### Side Scroller Video Game

FEBRUARY 2020 - APRIL 2020

- Developed a side-scroller adventure video game utilizing java and javafx among a team of 4.
- Implemented a collision system ensuring smooth movement of the player model and seamless interaction with the game world.
- Lead the team in the design aspect, creating sprites for the player model and the world levels.

Java, JavaFX

<https://github.com/krang-8/Game-Project>

## Work Experience

### YaLLa Esports

DATA ANALYST & JUNIOR COMMUNITY MANAGER

- 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 handling social media channels of the organization by covering live games and producing content.
- Managed the community discord and communicated with the fans.

Dubai, UAE

April 2021 – Present

### Middle East Stars League

HEAD ADMIN

- 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.

Remote

April 2020 – November 2021

### Esports Freelancing

ADMIN / OBSERVER

- Coded scripts to verify 5000+ contestant profiles saving over 200+ hours of work for a 9-man admin team.
- Organized and administered gaming tournaments working with esports operators such as PLG, Webedia, Saudi Esport Federation.
- Maintained happiness and satisfaction of contestants by moderating discord and handling communication in large scale events.
- Entrusted by large brands such as KFC, Adidas, Red Bull to manage and administrate their esports events.
- Assisted in formulating storytelling narratives for the social media teams.

Dubai, UAE

2020 – 2021

