

Ahmed Amer

Software Systems Engineering | University of Calgary

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Objective:

My objective is to obtain a position in a professional office environment where I can apply my current skills towards the benefit of the organization. I am a hardworking and highly motivated problem solver, looking towards further developing my skills within your company.

Summary and Qualifications:

- Enthusiastic learner, quick to grasp new concepts of different software developing tools
- Outstanding analytical skills and strong problem-solving abilities
- Familiarity with multiple operating systems; Mac OS, Windows, and Linux
- Proficient in using Microsoft Office; Word, Excel, and PowerPoint
- Well versed in C, C++, Java and Object-oriented Programming Design procedure
- Excellent debugging and analytical skills
- Comfortable with Python, MIPS Assembly, Processing, Git
- Have worked with HTML, CSS, Linux command line and shell scripting
- Proficient at writing technical reports and giving presentations
- Excellent time management and communication skills, associated with the ability to balance academic and professional priorities and social relationships

Education and Internship Status:

University of Calgary, Software Engineering, B.A.Sc.

Calgary, AB

Schulich School of Engineering

September 2018- current

Current GPA: **3.641** out of 4.000

Expected Graduation date: June 2023

Seeking internship Employment for 12 or 16 months

Willing to relocate

Available start date: May 1, 2021

Work History:

May 2016 – October 2018

Sales and admissions - Calaway Park

Calgary, AB

- A senior sales associate responsible for greeting guests, providing admission to the park and micromanaging junior associates when there are no team leaders around.
- Developed interpersonal and communication skills through interaction with coworkers and customers of diverse backgrounds
- Practiced efficiency, speed, and proficiency while carrying out the job requirements. Always ensuring the customer's comfort and satisfaction.

Software Projects:

Movie Ticketing Application

A simple Movie Ticketing Application simulating online ticketing apps written in **Java using object oriented design standards**. The application is made to be easily expandable in the future without needing to rewrite the old code.

- Helped teach teamwork, proper time management and responsibility division
- Deliverables of the project included; professional technical report and presentation
- Further developed problem-solving skills, design concepts and applied engineering concepts to assure the success of the project
- Improved my leadership skills by being the design team leader

Tic-tac-toe

A console-based Tic-Tac-Toe game written in **Java** in order to learn Object oriented design. The program utilizes a human player with 3 different bot modes.

Student Registration System

- A **Java** application written to emulate a student registration system
- **Multithreaded to allow multiple users**
- Uses **TCP Client-Server architecture**.
- Uses a **MySQL database** to hold information about students and courses

Distance-Vector routing simulator

A **Java GUI** simulator. That generates the Distance-Vector routing algorithm on simulated routers. The program will calculate the routing tables of the simulated routers and display it as a **GUI**.

- Helped in understanding routing algorithms used in computer networking
- Employed strong problem-solving skills due to the need to implement complex algorithms

Need A Player (in progress)

A Player finder designed to help sports teams find a player to play certain positions. The App will feature a mobile **friendly web-based interface and an API**

- Developed with the **ASP.NET core** platform
- Utilizes a **SQL database** to store information of users
- Made to **prevent SQL injection attacks**
- Intensive planning of the database system including **ER and RM diagrams**

Awards and Interests:

- Jason Lang (2019, 2020)
- Professional Engineers', Geologists' and Geophysicists' Women's Club of Calgary Bursary (2019)
- SSE Bursary for Engineering Students (2018)
- Alexander Rutherford (2018)
- **Interests:** Soccer, and Basketball, Swimming, Gaming, Hackathons, Learning new programming languages

References:

Available upon request