ALEXANDER MAH

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SKILLS

C

C++

Java

PHP

HTML

CSS

MySQL

JavaScript

Angular.js

Node.js

React

Swagger

Dockers

INTERESTS

Dragon boat

Cooking

WORK EXPERIENCE

May 2019 – Aug 2020	**IBM S.W.A.T. Team Development – IBM WARDEN LAB** • Developed and maintained a full stack application using Angular, Node.js, Swagger and Dockers, with a Cloudant Database. • Managed and coordinated with a remote team to deploy Java Enterprise edition EAR files. • Utilized IBM enterprise design thinking to help clients strategize and develop their ideas. • Traveled to present and demo workshop material involving different IBM machine learning technologies.
Sep - Dec 2018	**LEARNING ASSISTANT – UNIVERSITY OF CALGARY** • Assisted in one-on-one teaching on subjects related to data structures, client server applications, proper software design and code structures in Java. • Contributed in creating course content for incoming Software Engineering students.
Summer 2017	**SUMMER RESEARCH ASSISTANT – UNIVERSITY OF CALGARY** • Received $4500 from Natural Sciences and Engineering Research Council Undergraduate Research Award. • Designed an individual project based on requirements from Dr. Laleh Behjat. • Built "Blockwork Circuits" app utilizing Processing for Android which was released onto the Google Play store at https://goo.gl/CxjHoQ. • Tested functionality and performance of app with an alpha and beta group.

PROJECTS

AMAHTECH.dev
- A reactive online portfolio website
- Created with HTML, CSS and JavaScript, on a Linux server, deployed with Git

BLOCKWORK CIRCUITS
- Designed "blockwork Circuits" app and was released onto Google Play at https://goo.gl/CxjHoQ
- Built using Java based Android Studio

D2Hell
- Built a client-server learning management system utilizing Java with JUnit test cases, Git and MySQL
- Awarded top 5 best designed projects at https://goo.gl/AJyTvY

EDUCATION

Current	**BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING - University of Calgary** • Enrolled in the Schulich School of Engineering with a GPA of 3.5. • Expect to graduate in Winter 2021.
2016	**ADVANCED HIGH SCHOOL DIPLOMA - Rundle College Senior High School** • Recognized as The Citizen of The Year Award with a scholarship. Awarded one student per year.

OTHER EXPERIENCE

August 2019	**IBM NORTH AMERICAN INTERN HACKATHON** • First place Canadian winner of the NA wide hackathon event, involving 600 interns hacking in the categories of Blockchain, AI and Cybersecurity. • Created the Smart Food Saver (SFS) is an intelligent platform for food service businesses. By utilizing IBM Cloud and Machine learning, SFS can assist in predicting production and therefore reduce food waste.
May 2018 – Jul 2019	**PRESIDENT – SHULICH IGNITE** • Mentored in a Google sponsored Computer Science Program designed to inspire high school students to a career in tech by teaching basic programming logic. • Managed organization as well as oversee the content, recruiting and social media teams.
Apr 2018 – Apr 2019	**VICE PRESIDENT INTERNAL - ELECTRICAL, COMPUTER AND SOFTWARE ENGINEERING STUDENTS' SOCIETY** • Elected by the students of the department of Electrical, Computer, and Software Engineering of the University of Calgary. • Managed club internal matters; such as upkeeping of the Homeroom space and communicating with society members.