Aly **Abouzaid**

COMPUTER SCIENCE UNDERGRADUATE STUDENT (FOURTH YEAR STANDING) · MECHANICAL ENGINEER

Vancouver, BC

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Education

University of British Columbia

BACHELOR OF COMPUTER SCIENCE   *Sept. 2018 - PRESENT*

- Cumulative average: A
- Expected graduation: Dec, 2020
- Dean's Honour List 2019

University of British Columbia

BACHELOR OF APPLIED SCIENCE IN MECHANICAL ENGINEERING   *Sept. 2013 - May. 2018*

- Minored in Physics
- Co-op Standing Designation
- Dean's Honour List 2018
- Cumulative average: A-

Skills and Certification

Programming   Java, android dev, C, C++, MySQL, Mongo DB, TypeScript, Python, MATLAB, HTML, CSS, JavaScript, React and Redux

Certification   Android Basics Nanodegree by Google: https://graduation.udacity.com/confirm/DC5MGTE6

Projects

SmarkCook   *Rect,Redux,Mongodb and JavaScriptL*

WEB APPLICATION   *May. 2020 - Aug. 2020*

- Developed a web application that allows people who are keen about cooking to efficiently pick and make their favourite meals. Backend was based on **mongodb and node express**. Frontend was based on **React** and **Redux**.

FamilyUnionizer   *Java and Android development*

ANDROID APPLICATION PERSONAL PROJECT   *Dec. 2019 - PRESENT*

- Developed and released an Android application on **Google play store**. The application connects family members by providing a safe platform for chatting and sharing location with all family members. **Google Firebase** was used to store location, chat and authentication data. **Google Places** was used to provide map and user location.

JustTravelous   *TypeScript and MySQL*

WEB APPLICATION   *Jan. 2020 - March. 2020*

- Developed the API and end points for a web application that serves as a traveler's guide. Database storage and query were based on **MySQL**. API and website were based on **TypeScript** and React respectively.

Experience

University Of British Columbia Electrical and Computer Engineering Department   *Vancouver, BC*

UNDERGRADUATE RESEARCH ASSISTANT   *May. 2017 - Sept. 2017*

- Developed a PCB layout of an electrical circuit used for controlling a medical catheter using **Altium**.
- Developed the platform for controlling an Arduino with a **MATLAB** graphical user interface (GUI).

IPAC Chemicals   *Vancouver, BC*

ASSISTANT ENGINEER INTERN   *Jan. 2017 - Apr. 2017*

- Programmed an **Excel macro** to analyze data received from offsite pump skids and sends back the performance summary to our clients autonomously.
- Optimized the controls of a cooling tower prototype in the facility to prevent it from shutting down during operation using **LabVIEW**.