

Jung Hyun Sohn

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EDUCATION

UNIVERSITY OF CALGARY

BS IN COMPUTER SCIENCE

Calgary, AB

2016 - April 2021 (Expected)

Dean's List 2019

Cum. GPA: 3.4 • Major GPA: 3.5

LINKS

Facebook:// [DanielSohn](#)

Github:// [DanSohn](#)

LinkedIn:// [junghyunsohn](#)

Instagram:// [sohnjhyun](#)

COURSEWORK

UNDERGRADUATE

Operating Systems

Data Structures and Algorithms

Design and Analysis of Algorithms

Computer Networks

Programming Paradigms

Database Management Systems

Computing Machinery

Advanced Programming Techniques

Human-Computer Interaction

Web-Based Systems

Information Visualization

SKILLS

TECHNICAL SKILLS

Proficient with:

Java • Python • C++/C • PHP

React • Nodejs • MongoDB

Express • HTML/CSS • JavaScript

Agile Development • SQL • Git

Familiar with:

JQuery • Amazon S3 • AWS Amplify

Haskell • Bash • Tableau

D3 • Assembly • UNIX Shell

Tensorflow • React Native

SOFT SKILLS

Strong:

Leadership • Initiative

Resourcefulness • Bilingual

Communication (Fluent English and Basic Korean)

INTERESTS

Lifting • Hiking • Gaming • Sudoku

Cooking Korean Cuisine • Board Games

EXPERIENCE

ME ONSITE INC. | SOFTWARE DEVELOPER

Nov 2018 - Dec 2019 | Calgary, AB

- Utilizing the **DirectShow** framework to create a replay program capturing and recording multiple live feeds simultaneously, allowing instant playback.
- Integrating graph filters using **GraphEdit** from the Microsoft DirectShow SDK to capture input.
- Increased the number of available inputs by **200%**.
- Introduced **git** as the main source of version control.

UNIVERSITY OF CALGARY | TECHNICAL SUPPORT

Nov 2018 - Present | Calgary, AB

- Work as both a technical support representative and a librarian to support **200+** patrons daily

PROJECTS

DATABASE MANAGEMENT SYSTEM | GITHUB

Fall 2019 | Calgary, AB

- Built a Database Management System utilizing **MySQL**, **Apache** and **PHP** for a local dental company in Calgary.
- Planned and implemented procedures to maintain data and referential integrity between entities of data
- Optimized query performance and populated test data, while performing quality assurance and testing of the SQL server.

LIBRARY MANAGEMENT SYSTEM | GITHUB

Winter 2019 | Calgary, AB

- Built a Library Management System application for Mount Royal University in **Java** with 5 other team members
- Implementing the front end component with **Java Swing**, we executed **100%** of user stories provided by the client throughout 4 iterations.
- Utilized the unit testing framework **JUnit** to achieve over **90%** codebase coverage.

AMAZON PRICE TRACKER | GITHUB

October 2019 | Calgary, AB

- Created a 140-line personal Amazon scraper with **python** that sends an email when the item falls below a price.
- Used **stmplib** and **BeautifulSoup** libraries to learn about extracting HTML data and sending basic emails.

EXTRACURRICULAR

HONG KONG STUDENTS' ASSOCIATION | VICE PRESIDENT EVENTS

May 2019 - Present | Calgary, AB

- Organize monthly events for the largest cultural club on campus (**700** current members) considering aspects such as locations, food services, activities and basic finances.

CALGARYHACKS 2020 | BIRD'S EYE GITHUB

- Created a fully functional **machine learning** algorithm to detect areas around the university and if the state of the sidewalks were safe or not