

Daniel (Hanum) Lee

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EDUCATION:

Bachelor of Science in Computer Science

2015 September – 2020 May

- University of Calgary
- Concentration in Human Computer Interaction
- Science Dean's List 2019/2020

WORK EXPERIENCE:

Advertiise

February 2020

- Internship – Quality Assurance and Full stack web application development

Foothills Hospital

May – August 2017

Hotchkiss Brain Institute Summer Student Research

- Developed a program for the research laboratory using C# to measure the movement of a Styrofoam ball in the x-y coordinate system to minimize human error.
- Troubleshooted the program by analyzing the code and research potential solutions.
- Discussed with platform director on a weekly basis about the progress and technical issues with the program.

COMPETITION:

NeuroNexus2020

June – August 2020

- Team leader
- Developed web application for gamifying mental health assessment
 - Overall granted with \$12000
 - Work in Start Up: **8 Bit Cortex**
- Developed live communication between client and clinician

Calgary Hacks 2020

February 2020

- Developed web application for student to find a study group and ask favor around the campus.

Innovation for Health 2019

November 2019

- Developed an application of emotion recognition with augmented reality for children with autism.

Alberta District Japanese Language Speech Contest

March 2019/2018

- Advanced Category

TECHNICAL SKILLS:

- **Computer Languages:** Python, C#, Java, C++, Javascript, Swift, MySQL, Haskell, Prolog, Assembly, Linux Shells, Latex, HTML, CSS
- **Frameworks:** Tensorflow, Django, Express, Vuforia
- **Operating Systems:** Windows, Mac OS X, Linux (Ubuntu)
- **Tools and Applications:** Git, Visual Studio, Visual Studio code, Amazon AWS, AWS Elastic Beanstalk, AWS Relational Database Service, AWS S3, Unity, Webstorm, XCode, Atom, Microsoft Office Suite, Eclipse, Clip Studio, Oracle Virtual Box

TRANSFERABLE SKILLS:

- **Teamwork:** Worked with team members in various course projects and meeting with team members weekly to discuss and work on project.
- **Analytical and Problem-Solving:** Analyze and debugged several programs with optimal solutions and fixed the problem.
- **Language Proficiency:** Fluent in English and Korean. Intermediate in Japanese.

RELEVANT COURSES:

- **Human-Computer Interaction:** Covered fundamental theory and practice of the design, implementation and evaluation of human-computer interfaces.
- **Web-Based System:** Covered various web development technology such as HTML, CSS, Javascript, and frameworks.

VOLUNTEER EXPERIENCE:

Beginner Japanese Teaching Assistant

September 2018 – August 2019

University of Calgary

- Helped students during group discussions/activities in learning basic vocabulary and grammar
- Marked student's submitted vocabulary quizzes and textbook assignment, and recorded the marks for submission to professor.
- Helped students prepare for tests by hosting one-on-one sessions with students and listening and correcting pronunciation.

CERTIFICATE:

- 3rd Degree Black belt in Tae Kwon Do
- N2 in Japanese Language Proficiency Level

INTERESTS:

- **Technology:** Machine Learning, Augment Reality, Virtual Reality and usage of technology in medical field
- **Sport:** Black belt in Tae Kwon Do and bouldering