

## **Donghyeong (Benson) Cho**

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### **EDUCATION**

**Bachelor of Engineering, Aerospace, Co-op Option**

**September 2014 – Present**

**Stream C: Electronics and systems**

Carleton University, Ottawa, ON

- Fourth year standing, CGPA 8.26/12 (B)
- Expected graduation date on April 2022

### **OBJECTIVE**

Seeking an internship position for 16 months to apply hardware design starting September 2020

### **RELEVANT SKILLS**

#### **Technical Skills**

- Electronic circuit simulator: PSPICE, VIVADO, ELVIS II, NI myDAQ, OrCAD, and Xilinx ISE
- Electronic testing equipment: Oscilloscopes, and Function Generators
- Computer language: C++, MATLAB
- Computer-aided design: CREO, CATIA, and Onshape

### **APPLIED/RELATED PROJECTS**

**Network-attached storage (NAS)**

**September 2019 – present**

KSNA Web Server Project

- Through storing data provided by NAS, KSNA's website and application are stored and currently being built
- Created a database system NAS to utilize a KSNA Web server and currently being built

**Mechanical Design**

**January 2020 – April 2020**

Conceptual Business Jet Design

- Design interior and exterior of concept business jet following aircraft's requirements, include aerodynamics, performance, and structure systems using CATIA for 3D modelling
- Filling report using by MS Office with manuals of existing jet models, aerodynamic papers, summarization, and created custom MATLAB scripts to analyze aerodynamic data

**Researching Structure**

**July 2018 - August 2018**

Space solar power plant

- Worked in a group to deliver a presentation explaining solar power plants general structure, and visualized into animated model using by software Microsoft suite
- These space solar power plants are introduced in order to improve communication skills and presentation to non-engineering people in order to familiarize them and build their knowledge with the engineering world
- Researching knowledge is enhanced by browsing through logbooks, preparing for facts to be presented in presentations and filing reports with summarizations, papers involved

## **Researching Material**

**September 2017 – December 2017**

### **Reverse Engineering Project**

- Producing this project using CREO and 3D printer to re-design plug outlet helped to establish easier connection and develop the flaws in the previous plugs
- Presenting to Teaching Assistant's in small group's provided more focused assessment, thus individuals needed to work together in preparing detailed information

## **NON-RELATED WORK EXPERIENCE**

### **Squad Commander and Strategic Operational Staff Sergeant**

**May 2015 – February 2017**

Republic of Korea Army (Special Assort Commando), Pa-ju, South Korea

- Utilization of Microsoft Office for inventory management, and working with confidential documents with operation Officer
- Leading the team by explaining and taking the responsibility of their basic safety drills, various military procedures as training gradually grows more challenging

## **EXTRA-CURRICULAR ACTIVITIES**

### **President of Korean Student Networking Association (KSNA)**

**September 2018 - April 2020**

- Building a network of South Korean University students, each tasked specific to their major to plan on projects with Carleton Engineering students working specifically on 3D designs.
- Collaborating Carleton Engineering students with design students from Hong-ik University (South Korea) by sharing their ideas and merging these designs with our engineering skills
- Report annual Budget planning, and scheduling yearly event using by MS Office
- KSNA web server project is implementing with engineering and computer science students

## **ACHIEVEMENTS AND REWARDS**

### **Alexander Rutherford Scholarship**

**2012**

### **Military stuff**

**2016**

- Achieved three immensely important training recognition awards in 2016, these awards being; Consolidated guerrilla training, Cold weather training, Counter Infiltration Operation. All these can only be achieved through producing the best results in their genre's

### **Founded Korean Student Network Association**

**2018**