

# Sean Lee

## Mechatronics (Mechanical) EIT

About me:

I am aspiring to become a systems engineer in aerospace industry, particularly in personalized aerial vehicles.

This is my footprint so far.

## Experience

Jul 2025 – May 2026

### **Aircraft Lead – UBC UAS Design Team**

Led designing 15 kg quadcopter and VTOL aircraft.

Assisted and reviewed team members' designs.

Key Skills: **Onshape, Jira, Confluence, Onshape, 3D Printing**

Sep 2021 – Jun 2025

### **Admin Aircraft Designer – UBC UAS Design Team**

Designed various aircrafts ranging from quadcopters to VTOL.

Conducted performance analysis of airfoils and FEA of parts.

Manufactured and assembled designed aircrafts using carbon fiber, aluminum, balsa, Monokote, etc.

Key Skills: **SolidWorks, Excel, Xflr5, Shop Machinery, Onshape**

Jul 2023 – Aug 2024

### **Manufacturing Co-op – Bevco Sales International**

Designed standardized conveyor belt systems and blow tunnels.

Produced engineering drawings for machine shop.

Automated AutoCAD DXF file processing, as well as Excel project logging and data analysis.

Key Skills: **AutoCAD, AutoLISP, Excel (VBA), Word, SolidWorks, CNC**

Sep 2018 – Apr 2020

### **Lead Designer – PMSS Vex Robotics Team**

Jan 2021 – Aug 2021

### **Teacher – Kumon Math and Reading Center**

## Education

Grad. 2026

### **BASc. Mechatronics Engineering**

University of British Columbia

Dean's List, Co-op

## Skills

- CAD (SolidWorks, AutoCAD, Onshape)
- Software (C, C#, C++, Java, VBA, LISP)
- Electrical (Circuit design, Signal analysis)
- Prototyping (3D Printing, Soldering, Machining, CNC, Laser/Waterjet cutting)
- Certified MS Office Specialist, Word Expert
- Other (Class 5 Driver, Bilingual – Korean)

## Contact

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## Hobbies

- Bouldering
- Guitar
- Chess / Video Games
- Snowboarding
- Cooking