Sean Lee
Mechatronics (Mechanical) EIT

I am aspiring to become a systems engineer in aerospace industry, particularly in personalized aerial vehicles. This is my footstep so far.

Project Portfolio:
https://seanlee1140.github.io/

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*
Promoted to private tutor for the manager's children

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

Langley, BC, Canada
(778) 231-0411
seanhlee411@gmail.com
linkedin.com/in/seanhlee411

Hobbies

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