

CEREN ERTAN

Mechanical Engineering Student

PROFILE

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals.

SKILLS

Siemens NX, SolidWorks, C#, Python, MATLAB, Arduino, Revit MEP, AutoCAD, IES, Microsoft Office, CNC (5-Axis), Milling, Lathe, DrillPress, Soldering, Welding Machine, Water-Jet Cutting, 3D Printing

RELEVANT COURSE

MECH 464: Industrial Robotics

CONTACT

PHONE:

778-316-4831

LinkedIn:

[linkedin.com/in/cerenertan/](https://www.linkedin.com/in/cerenertan/)

YouTube Machine Learning Channel:

[Link Here](#)

Website:

<https://cerennertan.wixsite.com/myportfolio>

EMAIL:

cerennertan@gmail.com

PROFESSIONAL AFFILIATIONS

EGBC – Student Membership
(September 2019 – Present)

ASHRAE – Student Membership
(June 2021 – June 2022)

UBC Turkish Student Association – Vice President & Treasurer
(September 2018 – May 2020)

HOBBIES

Painting, Volleyball, Snowboarding, Horse Riding

LANGUAGES

English (Full Proficiency)

French (B1)

Turkish (Native)

EDUCATION

University of British Columbia

Expected December 2023

Bachelor of Applied Science - Mechanical Engineering

Minor in Commerce

Outstanding International Student Award

2018

Harvard edX

June 2021

Introduction to Machine Learning, Remote

WORK EXPERIENCE

University of British Columbia, Vancouver, CA

May 2022 – August 2022

Mechanical/Mechatronics Engineer Summer Co-op Student

- **Tap tested** tools to measure the **Frequency Response Function** (FRF) of machines and use the data to conduct **Modal Analysis** and find **Stability Lobes** using **CutPro** software, observing tool vibrations and metal (mostly Al7050) cutting mechanics.
- Executed cutting tests with **CNC** machine using **CutPro** software, measuring cutting forces with **dynamometers**, vibrations with **accelerometers** and **laser sensors**.
- Prepared an **Excel** graph to visualize **Stability Lobes** and cutting test data for better comparison, **saving analysis time** for tests with numerous data points.
- Designed workpieces using **SolidWorks** and **Siemens NX CAD** software, and defined tool paths using **Siemens NX CAM** software.
- Adjusted **G- and M-Codes** for **CNC** Machining provided by NX CAM to suit cutting conditions.

AME Consulting Group, Vancouver, CA

January 2021 – December 2021

Mechanical Designer Intern

- Designed mechanical systems on **AutoCAD** and **Revit MEP** with other mechanical designers, improving **CAD** and **3D modelling skills** as well as **teamwork skills**.
- Prepared **schematic designs** for complicated mechanical systems.
- Developed **communication documentation** to help convey key design aspects to clients.
- Calculated **heating and cooling loads** using **IES** and **Microsoft Excel**.
- Received feedback on being the **fastest co-op student to become profitable** for the company.

Altan Hydraulics Inc., Istanbul, TR

May 2019 – June 2019

Research & Development Intern

- Modeled products on **SolidWorks**.
- Conducted product measurements and inspections to ensure compliance with design tolerances.
- Resolved issues related to incorrect labeling and pressing in the preparation of the **risk assessment table**, resulting in **improved manufacturing efficiency and heightened client satisfaction**.