

Josh Kraan

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Skills

CAD	Solidworks, Fusion 360, PTC Creo
FEA & CFD	Autodesk Inventor Nastran, ANSYS Fluent
Fatigue	nCode DesignLife
Programming	Python, Java, MATLAB
Electronics	Microcontroller Programming, Circuit and Enclosure Design
Software	Linux, LaTeX, Modelica, EPICS
Machining	Basic Turning, Milling

Education

University of British Columbia

MASTER OF SCIENCE IN PHYSICS

2023 - Present

University of British Columbia

BACHELOR OF APPLIED SCIENCE IN ENGINEERING PHYSICS

2018 - 2023

Experience

TRIUMF

ENGINEERING PHYSICS GROUP INTERN

Vancouver, BC

May 2022 - August 2022

Dometic

PRODUCT DESIGNER — MECHANICAL (INTERN)

Vancouver, BC

May 2021 - Dec 2021

L.B. Foster Friction Management

MECHANICAL ENGINEERING INTERN

Burnaby, BC

January 2020 - April 2020

Projects

Ion Sensitive Plasma Probe (Capstone Project, General Fusion)

September 2022 - March 2023

Magnet Mapper (Capstone Project, TRIUMF)

September 2021 - March 2022

UBC Rocket

PROPULSION SUBTEAM MEMBER

January 2019 - January 2022

Engineering Physics Robot Summer Competition

July 2020 - August 2020