

# Felix Slothower

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Lund, Sweden

## EDUCATION

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### **Bachelor of Science in Mechanical Engineering | June 2021**

University of California, Irvine

GPA: 3.625

Deans Honors List: 6 quarters

### **Master of Science in Machine Learning and Controls | June 2023**

Lund University, Sweden

## ENGINEERING EXPERIENCE

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### **Swope Design Solutions Internship | Summers of 2020/2021**

Interned at an engineering firm in San Francisco as a support engineer taking on responsibilities in various projects ranging from laser etching to low volume electronics production and advanced CAD surface modeling. This job required a breadth of knowledge in manufacturing solutions and creative problem solving.

### **3D Printed MTB Frame | Sep 2019 - June 2021**

Surface modeled complex geometry for each lug in a mountain bike frame to be additively manufactured from Titanium and bonded to carbon tubing. Within a ten-week timeline, me and two other team members were able to design the front triangle and print our first test part out of a more budget friendly aluminum alloy (AlSi10Mg).

### **CubeSat Team | February - June 2019**

University based project that aims to send a small 10cm cubic satellite to space. Worked with the power delivery team to design and commission the production of solar arrays using Eagle. Communication with the other teams and information transparency across teams has been critical to reaching our goals.

## SKILLS

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### **Computer Software**

Solidworks, Keyshot, Eagle

### **Programming**

- Built several Machine Learning models using R to make predictions and perform data science analytics
- Programmed a web-scraper in Python to email me when a class opened.
- Soldered together a RaspberryPi to two alphanumeric displays and rotary encoder to make a device that would constantly stream the market price of my investments.

### **Machining and Welding**

I have taken both a welding and machining class on campus and have good experience with both disciplines. Built custom speaker stands, a brass headed hammer, bicycle frame and frame welding jig.

### **Language**

English, Swedish, French

## EMPLOYMENT

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Swope Design Solutions Internship - *San Francisco, CA, USA*

Summers of 2020/2021

MMB/VOLUM-e Internship - *Normandie, France*

Summer of 2018

Logistics and Technical Assistance at Cleary Bikes - *Sausalito, CA, USA*

2016-2017

Mechanic at Bicycle Repair Shop - *Mill Valley, CA, USA*

2013-2016