

Axel Magnusson

+46 73-929 42 00 | ackemagnusson@gmail.com | github.com/ackemag/cv

EDUCATION

Royal Institute of Technology

BSc Material Design

Stockholm, SE

Expected August 2027

- Working towards MSc in Lightweight Structures
- BSc thesis about Alternative cemented carbides for rock drilling application at Sandvik Västberga

EXPERIENCE

Salesman

Kjell & Company

November 2017 – December 2018

Stockholm, SE

- Recommending products and solutions for customers needs
- Helping in setting up network solutions for larger houses/venues
- Doing inventory of products

Welder

Ebm-papst

June 2021 – July 2021

Stockholm, SE

- Welding together smaller industrial tunnels for fans
- Assisting in CAD (SolidEdge) designing of components
- Mounting of fan components

COMMUNITY & LEADERSHIP

President

KTH Basketball Club

June 2021 – May 2023

Stockholm, SE

- Delegating & Setting meetings
- Organizing university games
- Main contact with sponsors

Aerodynamics & Composites

KTH Formula Student

April 2022 – Present

Stockholm, SE

- Structural optimization and layering of carbon fiber.
- Aerodynamic simulations (StarCCM+)
- Designing parts of the aero package in CAD (NX)

PROJECTS

Recognizing Metal Defects With Machine Learning | *Python, TensorFlow*

October 2021 – March 2022

- Wrote a program that can recognize six different metal defects from pictures of metal sheets
- Scientific report for the project can be found [here](#)

Stock Evaluation | *Python, Pandas, Numpy, API*

September 2020 – January 2021

- Wrote a program that gives fundamental & technical analysis of companies
- Code and documentation can be found [here](#)

TECHNICAL SKILLS

Programming languages: Python, MATLAB, Arduino

Libraries: Tensorflow, Keras, Pandas, Numpy

CAD: NX, SolidEdge

CFD: StarCCM+