

# Axel Magnusson

+46 73-929 42 00 | [ackemagnusson@gmail.com](mailto:ackemagnusson@gmail.com) | [github.com/ackemag/cv](https://github.com/ackemag/cv)

## EDUCATION

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### Royal Institute of Technology

*BSc Material Design*

- Expected MSc Lightweight Structures
- GPA: 3.45

Stockholm, SE

*Expected August 2026*

## EXPERIENCE

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### Salesman

*Kjell & Company*

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

November 2017 – December 2018

*Stockholm, SE*

### Welder

*Ebm-papst*

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

June 2021 – July 2021

*Stockholm, SE*

## COMMUNITY & LEADERSHIP

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### President

*KTH Basketball Club*

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

June 2021 – Present

*Stockholm, SE*

### Aerodynamics & Composites

*KTH Formula Student*

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

April 2022 – Present

*Stockholm, SE*

## PROJECTS

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### 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

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**Programming languages:** Python, MATLAB, Arduino

**Libraries:** Tensorflow, Keras, Pandas, Numpy

**CAD:** NX, SolidEdge

**CFD:** StarCCM+