Johan Edstedt

parskatt.github.io| linkedin.com/johan-edstedt
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EDUCATION

LINKÖPING UNIVERSITY
MSc in Applied Physics and Electrical Engineering
Sep 2014 - Jun 2020 | Linköping, SE
Master specialization: Signal and Image Processing
Cum. GPA: 4.41/5, Major GPA: 4.79/5

KU LEUVEN
Erasmus Exchange
Sep 2018 - Jun 2019 | Leuven, BE
Engineering Science Faculty
Magna Cum Laude

LINKS

Github:// **parskatt**
LinkedIn:// **johan-edstedt**
YouTube:// **Johan Edstedt**

SELECT COURSEWORK

GRADUATE
Images and Graphics, Project Course
Machine Learning: Project
Big Data Analytics Programming
Computer Vision
Visual Object Recognition and Detection
Information Retrieval
Learning Systems and Neural Networks
Uncertainty in Artificial Intelligence

UNDERGRADUATE
Calculus in multiple variables
Functional Analysis
Complex Analysis
Fourier Analysis
Programming and Data Structures
Automated Control

SKILLS

PROGRAMMING
Over 5000 lines:
Python • LaTeX
Over 1000 lines:
C • C++ • Java • Matlab
Familiar:
Kotlin

LANGUAGE
• Swedish (native)
• English (fluent)
• German (beginner)
• Korean (beginner)

EXPERIENCE

LINKÖPING UNIVERSITY | Research Assistant
Aug 2020 – Present | Linköping, SE
- Working at the Computer Vision Laboratory

FIA ROBOTICS | Computer Vision Engineer
Sep 2019 - Apr 2020 | Linköping, SE

- Developed code for a multiple data source tracker.
- Implemented image restoration & enhancement techniques to improve incoming image quality.
- Integrated ROS communication nodes

LINKÖPING UNIVERSITY | Master Thesis
Jan 2020 – June 2020 | Linköping, SE

- Conducting theoretical and empirical analysis of Capsule Networks
- Implementing novel Capsule architectures

LINKÖPING UNIVERSITY | Amanuens
Feb 2020 – Present | Linköping, SE

- Teaching assistant in Computer Vision (TSBB15)
- Teaching assistant in Signals Information and Images (TSKS21)
- Graded exams in Signals and Systems (TSDT84)

LINKÖPING UNIVERSITY | Amanuens
Sep 2017 – Dec 2017 | Linköping, SE

- Teaching assistant in Automated Control (TSRT22)
- Teaching assistant in Signals and Systems (TSDT84)

AWARDS

Year		
2019	Winner	BCG Strategy Cup Belgium
2017	Bronze	Cygni SnakeBot Challenge