Michael André

MACHINE LEARNING/DATA ENGINEER · COMPUTER SCIENTIST

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Education

Linköping University
MASTER OF SCIENCE IN COMPUTER SCIENCE
- Master's Profile: Machine Learning & Artificial Intelligence

Linköping, Sweden
Aug. 2016 - Oct. 2018

Linköping University
BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Linköping, Sweden
Aug. 2013 - Jun. 2016

Experience

Zenseact
DATA ENGINNER
- Building and maintaining data annotation pipeline for Deep Learning
- Sensor fusion, data mining and databases
- **Tools:** Python, Docker, Elasticsearch, Git, Linux, Jira

Gothenburg, Sweden
Aug. 2020 - ongoing

Kapsch TrafficCom
MACHINE LEARNING DEVELOPER
- Vehicle classification
- Object detection of vehicle axles
- Robot camera calibration: UI development and calibration implementation
- Team responsibility for sprint planning
- **Tools:** Python, C++, Keras, Docker, Git, Jira

Jönköping, Sweden
Jan. 2019 - Aug. 2020

Veoneer
MACHINE LEARNING DEVELOPER
- Pedestrian and vehicle classification for autonomous vehicles
- Visualization tool for machine learning algorithms' performance
- **Tools:** C++, Python, Keras, Git, Gerrit

Linköping, Sweden
Aug. 2018 - Jan. 2019

Veoneer
MASTER'S THESIS STUDENT
- Active Learning for Road Segmentation using Convolutional Neural Networks
- Investigated how model uncertainty can limit training data by letting the model select it's own data
- Published at liu.diva-portal.org
- **Tools:** Keras, Python, LaTeX, Matplotlib

Linköping, Sweden
Jan. 2018 - Oct. 2018

Autoliv
SOFTARE DEVELOPER - SUMMER INTERNSHIP
- Visualization tool for machine learning algorithm's performance
- Evaluation and visualization of DGPS calibration system
- **Tools:** C++, Python

Linköping, Sweden
Jun. 2017 - Aug. 2017

Teknomedia
SOFTWARE DEVELOPER - SUMMER INTERNSHIP AND PART TIME
- Data mining and visualization of customer databases
- Web application for filtering and visualization of customer data
- **Tools:** SQL, C#, JavaScript, HTML

Norrköping, Sweden
Jun. 2016 - May 2017

Extracurricular Activity

Housing Association (Bostadsrättsförening)
Göteborg, Sweden

CHAIRMAN
May. 2021 - ongoing

- Housing association for 65 apartments
- Leading project to install fibre internet to 200 apartments

Datateknologsektionen Linköping University
Linköping, Sweden

SECRETARY - DATATEKNOLOGSEKTIONEN BOARD
Jul. 2015 - Jun. 2016

- Secretary for board meetings
- Head of the web committee that developed datateknologsektionen.se

Linköping University
Linköping, Sweden

TEACHING ASSISTANT - LINEAR ALGEBRA
Sep. 2015 - Dec. 2015

- Teaching students in linear algebra

Linköping University
Linköping, Sweden

LAB ASSISTANT - SWITCHING THEORY AND LOGICAL DESIGN
Sep. 2015 - Mar. 2017

- Lab assistant for multiple classes

Swedish Home Guard, 302nd company
Linköping, Sweden

SOLDIER
Mar. 2014 - Oct. 2016

- Took part in regular military training

Göta Engineers (Ing 2)
Eksjö, Sweden

MILITARY TRAINING (GMU)
Mar. 2013 - Jun. 2013

- Basic Military Training

Skills

Software Advanced	Python, C++, Linux, Docker, Git, Elasticsearch, Jupyter, LaTeX, Jira, Matplotlib
Software Moderate	Keras, Tensorflow, LaTeX, C, C#, SQL, PyTorch, Jenkins, R, Java, Matlab, VHDL, HTML, JavaScript, CSS
Certifications	ISTQB: Foundation Level Certificate in Software Testing
Scholarship	The best student at the Technical College at Njudung in Vetlanda, 2012
Languages	Swedish, English