Anders Gustafsson

Norrsalbo 134, 73363 Salbohed
andersgee@gmail.com
+46 73 6148026

EDUCATION

Master of Science, Industrial Design Engineering   sept 2013
Lulea University of Technology
Concentration: Man-Machine-Interaction
Master Thesis: Designed, programmed and implemented a graphical user interface into a car. Thesis later published in Journal of Design Research.

DATA SCIENCE

Languages: Julia, Javascript, Glsl, Webassembly, Python, Matlab, Bash, Html, Css
Machine Learning: Recurrent, Deep, Convolutional, Autoencoding, Hierarchical
Programs/Frameworks: React, Gatsby, Tensorflow, Flux, IBM SPSS, Photoshop

EXPERIENCE

Web Developer   apr 2020 - present
Klimatsekretariatet
- Creating websites of carbondioxide budgets for all swedish municipalities.
- Developed a custom plotting library in javascript.

IT Studies   aug 2016 - apr 2020
Self employed, some notable projects:
- Designed a custom neural network achitecture and trained it on classical music. Network also rewritten to webassembly and implemented on a website where anyone can listen to the music generated in real time.
- Created an automatic greenhouse watering system. Watering plants based on the actual weather with the option to go to a website and remotely give water.
- Fifth place finisher in an artificial intelligence programming competition among thousands of competing professionals (Halite3, TwoSigma).
- Created machine learning models to make trade decisions and place trades every hour on the foreign exchange market (Algorithmic Trader).

Lecturer   aug 2015 - jun 2016
Engineering Psychology, Human Work Science Division, LTU
- Lectured in Science of Cognition, Risk Perception & Risk Management.
- Developed concepts and prototypes for an interactive safety certification tool.

Research Engineer   aug 2013 - july 2015
Engineering Psychology, Human Work Science Division, LTU.
- Performed computer aided statistical analysis of data.
- Used data on how operators work to develop 9 concepts based on new or underused IT in swedish industry.
- Developed a concept for an android app to be used at work by mining industry operators. The app saw real world use by dec 2015.

Consultant in Perception & Ergonomic Design   may 2013 - jul 2013
Muchdifferent
- Delivered an operator console concept for a contract with the Swedish Naval Warfare Centre and Swedish Defence Materiel Administration. The contract was won.

PUBLICATIONS

ICT usage and benefits in Swedish manufacturing and process companies.
Swedish Production Symposium, 2014.   peer-reviewed Conference paper
Design and evaluation of a personalizable interface in a vehicle context.
Journal of Design Research, 12(4):308-329, 2014.   peer-reviewed Journal article