Oscar Jacobson

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Education

Uppsala University
Master's Programme in Engineering Physics
Chosen Specialization: Computational Science.
Relevant coursework: Statistics & Probability, Advanced Statistical Machine learning, Artificial Intelligence, Programming(Python, Matlab, C, SQL) & Computational Science, Calculus & Linear algebra, mathematical-optimization, Classical/Theoretical Physics, Business Economics & Entrepreneurship, Data Mining, Computational Finance (Options Pricing).

Uppsala, Swe
Aug 2018 -

Volvo Cars
Master's project
Develop a framework for optimizing computational usage in simulation of car-crash scenarios. The project includes analyzing the simulation platform and carrying out a literature study. Then, using Python, a Bayesian optimization model was implemented to efficiently sample the input space, identifying areas of interest where crashes are likely to happen. The project is a part of a larger effort to help Volvo cars keep up with international regulatory standards.

Göteborg
(Distance), Swe
Sep 2023 -

STUNS Energi x Skolfastigheter AB
Bachelor's project
Evaluate peak power usage in large school kitchens. Project has with the help of large amounts of pre-existing data, measurements, statistical analysis and technical tools succeeded in identifying problems in kitchen equipment usage as well as pinpointing misleading energy usage parameters. The project demonstrated potential economic and societal gain by visualizing data and evaluating solutions, suggesting future improvements to the system.

Uppsala, Swe
Apr-Jun 2021

Experiences

KPMG Sweden (Audit Delivery Center)
Part time Audit associate
Perform audits of housing cooperatives and small businesses. Create automation/simplification of the auditing process and data processing using Python, Excel, Power BI and Powerpoint. Being a part of the quality assurance team of Audit Delivery Center. And helping out the Stockholm E-Audit team with large scale data analytics audits using Python, Microsoft SQL Server and Power-BI.

Uppsala, Swe
Oct 2021- Now

Other experience
Mc Donalds Fyrislund
Trained in Customer service, Cleanliness, Cooperation & Effectiveness and Teambuilding.
Love volunteers
Conservation of The Great Barrier Reef. Lived for three months in Cairns, Australia. Feeding, washing and caring for injured sea turtles brought in from the great barrier reef.

Uppsala, Swe
Mar 2017- Aug
2021
Cairns, Aus
Jun-Aug 2018

Knivsta Idrottsklubb
Summer camp leader and coaching/leadership education within the club.
First junior to ever have a starting position with the senior team of Knivsta IK. Subsequently involved in preparing and helping integrate younger generations into the senior team.

Knivsta, Swe

Skills & Interests

Technical Skills: Python, C, Matlab, SQL, LaTeX and Microsoft package (Excel, Power BI, Powerpoint).
Language: Fluent English and conversational Spanish.
Interessts: Skiing, Golf, Football, Economics, Environmental conservation and IT/Tech.
General: Swedish Drivers license B. Can provide results in Högskoleprov(Swe) & SAT-test.