JAKOB OLSEN

B.Sc.

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in Linkedin

PROFILE

Graduate from Aalborg University anno June 2022 as B.Sc. in Mathematical Engineering and currently studying to finish my master's. Data analysis is currently the main focus of my master's and has been for the latter semesters of my studies.

As a co-worker, I am hard-working and always curious to learn something new. For more information about me, check out my CV website.

EDUCATION

M.Sc. in Mathematical Engineering

Aalborg University

📅 September 2022 – Now

[Projects] This semester I am working on setting up a neural network for estimating mutual information in time-series data.

[Skills] Focus on programming, machine learning, and neural networks.

B.Sc. in Mathematical Engineering

Aalborg University

📅 September 2019 – June 2022

[Bachelor] The bachelor thesis was made in collaboration with Weibel Scientific A/S. The project concerned satellite tracking and we chose to use an approach called Hypothesis Oriented Multiple Hypothesis Tracking (HOMHT). Using this algorithm we were able to track multiple satellites within the field of view of the radar even with a relatively low signal-to-noise ratio. Aside from the HOMHT algorithm, a basic understanding of radar signal and processing was required together with some orbital mechanics used to transform the received data into a more convenient coordinate system.

[Skills] Mathematical background with courses like Calculus, Linear Algebra, Analysis, Probability Theory, etc. Through semester projects and courses I have programming experience in Python and I am familiar with object-oriented programming.

Business College (HHX)

Silkeborg Business College

📅 August 2014 – June 2017

SKILLS

Language

Danish	●●●●●	(Native)
English	●●●●○	(Fluent)
German	●●○○○	(Limited)

Programming & Version Control

Advanced	Python
Fundamentals	R, Matlab, LaTeX, Git

PERSONAL

I used to be an elite cyclist and was a part of the danish national team from 2012-2016. I think this background has taught me that hard work is key to achieving what you want. From a working perspective, I think this comes to good use when I am faced with new and challenging problems.

In my spare time, I play disc golf at the local disc golf club in Aalborg and I also enjoy playing badminton. When I am not doing sports, I enjoy spending time with my friends. Also, I am doing a small project for myself because I thought it would be fun to get some experience using SQL. I have set up an Ubuntu virtual machine and I am currently trying to get a PostgreSQL environment set up on it. For more information on this check out CV website.

WORK

Ski Instructor
Perisher Blue Pty Ltd.

📅 July 2019   📍 Australia

Second season working for Perisher.
 [Skills] Leadership role, English language.
 [Tasks] Instructing kids (age 5–7), Private lessons, Group lessons with adults.

Farm Work
Culverthorpe Pty Ltd.

📅 February 2019 – June 2019   📍 Australia

Worked in the countryside of Australia where I did jobs around the farm including maintenance and improvements on the farm.
 [Skills] Using all types of tools, English language.
 [Tasks] Painting fences, Concreting, building fences.

Freelancer
Mascot International A/S

📅 November 2018 – February 2019 📍 Denmark

Mascot had at the time just moved to new facilities. I had some very independent tasks, where my employer would give me a list of things to fix for the given week.
 [Skills] Safety in a Warehouse, independent work.
 [Tasks] Warehouse picking, Shipment department, Handyman.

Ski Instructor
Perisher Blue Pty Ltd.

📅 June 2018 – September 2018   📍 Australia

During my time in Australia, my English improved a lot. As an instructor, I learned to be the one that makes the decision and instructs people on what to do. I think this is reflected in the group work at the University, as I do not mind being the one that takes the leadership role if no one else will.
 [Skills] Leadership role, English language.
 [Tasks] Instructing kids (age 5–7), Private lessons, Group lessons with adults.

Freelancer
Mascot International A/S

📅 April 2018 – June 2018   📍 Denmark

Gradually getting more responsibilities since last time I was employed here. Mascot was at a place where they had to move location to something bigger and I was working some days at the old facilities and some days testing the setup at the new facility.
 [Skills] Safety in a Warehouse, Flexible work-tasks.
 [Tasks] Warehouse picking, Setup testing (assisting).

Ski Instructor
Ski und Snowboardschule Wagrain

📅 March 2018   📍 Austria

I needed some working experience to make sure that I was able to get the job in Australia, so I went for a short trip to Austria to get some experience teaching. Most of the teaching was in German.
 [Skills] German, Instructing responsibilities, Leadership role.
 [Tasks] Instructing kids (age 5–7), Private lessons, Group lessons with adults.

Freelancer
Mascot International A/S

📅 August 2017 – January 2018   📍 Denmark

I got the job because I was volunteering at a bike race just after finishing Business College, and the race director, who also worked at Mascot, recommended me for the position. In January I decided I wanted to become a ski instructor, so I quit my job. My employer told me that if I needed a job in-between working as a ski instructor I would always be welcome to return.
 [Skills] Safety in a Warehouse.
 [Tasks] Warehouse picking.