Alexander Dahl

Linköping
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LinkedIn profile

Experience

Work

2020-08 current	**Data Engineer**, *ICA Gruppen*, Stockholm.
2018-01 2019-01	**Database Technology Lab Assistant**, *Linköping Institute of Technology*, Linköping. I taught 100 Master's degree students about SQL, Database Design, EER-diagrams, Relational Models and Database Normalization.
2015-10 2016-06	**Science Teacher**, *Streteredsskolan*, Kållered. Worked a school year as a middle school science teacher.

Other

2019-06	**English Volunteer**, *Ganbaro Miyagi*, Hokkaido, Japan. I was an English speaking volunteer at a Japanese summer camp to promote cultural exchange.
2016-06 2017-02	**Rode a bicycle 10 000km from New York to Costa Rica**. Got strong legs, a perspective on life and ate a lot of tacos!

Education

2017-03 2020-05	**M.Sc. Computer Science and Supply Chain Management**, *Linköping Institute of Technology*, Linköping, Sweden.

- **Industrial Engineering and Management program:** See diploma here!
- **Master's thesis:** Used data mining to find an allocation for a picking machine at Apotea AB (an online pharmacy). The allocation yielded a 5% increase in efficiency without any additional costs. Read thesis here! See the python code here!
- **Student Union:** Was Head of IT for LARM, Linköping's largest career fair, in 2018-2019. One cool thing I did was creating a mathematically optimal interview schedule with gurobi and python. See that project here!

2014-08 2015-08	**B.Sc Computer Engineering**, *Karlsruhe Institute of Technology*, Karlsruhe, Germany. Erasmus year in Germany, where I also finished by Bachelor's thesis
2012-08 2014-08	**B.Sc Computer Engineering**, *Linköping Institute of Technology*, Linköping, Sweden. With some extra courses in German

Computer skills

DevOps	Docker, Jenkins, Ansible, Gitlab CI
Data Eng.	Python, SQL, Elasticsearch, Airflow, Spark, Hadoop, Hive, MLflow
General	GNU/Linux, bash, Agile Development, Git, Proxmox, Traefik

Languages

Swedish	**First language**	*Can't say R correctly*
English	**Fluent**	*Occasionally with a southern twang from my weeks in the deep south*
German	**Good knowledge (B2)**	*Good reading and listening comprehension, adequate speaking*
Spanish	**Good enough**	*Survived 5 months in Latin America*

Side Projects

Home Lab   I found a server in a recycling room and it worked! I built a server cluster using it and my old gaming PC. The server cluster is running Proxmox and several VMs. I have a router, 10+ docker-containers and a NAS running on the cluster. My website dahl.dev is hosted on this cluster. Here is a picture of the architecture!