Simon Thelin

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Work Experience

(on-going)
November 2019

Data Engineer, *GameAnalytics*, London, **full time**.
- Building up GameAnalytics data science platform. Including being responsible for best practices for data engineering and implementing data science features.
- Technology's used such as, Python3 with type enforcement. Data science and data manipulation frameworks: pymc3, Pandas, numpy, scipy. Distributed data processing frameworks: PySpark. Infrastructure: Terraform, docker, docker-compose. Schedule and workflow platform: Apache Airflow. Database technologies: MySQL, Apache Druid, Redshift, DynamoDB. Cloud: AWS(S3, EC2, EMR, SQS), Google(Big Query)
- Working on closely with data scientist to put statistical AB testing models into production. Covering both data engineering and data science aspects.

November 2019 June 2019

Data Engineer, *YoYo Wallet*, London, **full time**.
- Data Engineer for large scale data modeling. Data processing in real time and batch with analytics.
- Technology's used such as Apache Spark, Terraform, Kafka, AWS(Redshift, S3, ECS, Kinesis), Postgres, Python, Pandas, Dask, Scikit-learn, Faust, Alembic, Elastic Search, Kibana, Airflow.
- Worked on a real time segmentation app utilising Faust.
- Had responsibility for the data warehouse and helping BI team to transition to Redshift.
- Also managing an intern within the data team.

June 2019 August 2018

Data Engineer, *Yieldify*, London, **full time**.
- Data Engineer for large scale data modeling/processing and analytics.
- Technology's used such as Apache Spark, AWS (ECS, Ec2, EMR), Python, Typescript, Kubernetes, Grafana, Kibana.

August 2018 January 2018

Developer Connected Vehicle Cloud, *Ericsson AB*, Gothenburg, **full time**.
- Developer for Connected Vehicle Cloud Department
- Technology's used such as KeyCloak, Microservices, Kafka, Java Spring, Terraform, Elastic Search, Kibana, Ansible, Golang and Python.
- Worked with both Swedish teams and teams in China during development.

Dec 2017 June 2017

Software Engineer, *Drivec AB*, Helsingborg, **full time**.
- Integrating GPRS/GPS and CAN[1] hardware.
- Preparing data for machine learning solutions.
- Quality assurance work involving analyzing data from vehicles. Technology's used such as Node.js, Android.

May 2016 March 2016

Algorithm & Data Structure T.A, *Halmstad University*, Halmstad, **part time**.
- Teaching assistant during computer labs in the Data Structure and Algorithms in Java course.

June 2015 March 2016

Software Engineering Trainee, *Drivec AB*, Helsingborg, **part time**.
- Responsible for the user interface and backend communication layer for an eco-driving Android application.

June 2011 September 2014

Support & Field Test Engineer, *Drivec AB*, Helsingborg, **full time**, **part time** Sep 2014 - May 2017.
- Technical and customer support together with calibration of fleet management systems across 3000 vehicles to clients and customers in the Nordic region.
- Performed reverse engineering on vehicle data protocols[1].

Education

Sep 2014 June 2017	**BA of Science in Engineering, Computer Science & Engineering**, *Halmstad University*, Sweden. ○ **Machine Learning thesis project where we delivered a cloud module called ITMS - MLA**[2]. Which was honored as the best thesis in the categories of Computer Science, Electronic, Mechatronic Engineering.
July 2016 January 2017	**Exchange Student BA Computer Science & Engineering**, *Korea University*, South Korea, 87.2/100 GPA.
July 2012 Dec 2013	**Computer Science**, *Malmö University*, Sweden.

Language skills

○ Native Swedish. Fluent English. Basic Korean.

Technical skills

○ Main Version Control & IDE's (Intermediate >3 years): **Git, PyCharm, IntelliJ, Visual Studio Code**
○ Main Programming/Script Languages (Intermediate >3 years): **Python**
○ Main Machine Learning Framework Libraries 1 year): **scikit-Learn**
○ Statistical Framework Libraries (<1 year): **stan, pymc3**
○ Main Cloud Technology (>3 year): **AWS**
○ Certifications: **[Coursera - Machine Learning]**
○ Publications ITMS - MLA[2]: **[Thesis - Diva Portal][IOP Science Publication]**

References

Portfolio: **[GitHub]**
Honors & Awards: **[Scholarship - Best Thesis] [Scholarship - Sparbanken Kronan]**

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[1]CAN - Controller Area Network
[2]ITMS MLA - Indirect Tire Monitoring System - Machine Learning Approach