

# Simon Thelin

## Work Experience

- Aug 2020 - **Data Engineer, IMG Arena, London, full time.**
  - Current
    - Built data processing pipelines both streaming and batch.
    - Managed and maintained standards for Data Analysis tools used across the organisation.
    - Engaging with sports data providers about source data quality
    - Contributing to future design/architecture solutions that directly impact the business
- June 2019 - **Data Engineer, GameAnalytics, London, full time.**
  - Dec 2019
    - Improved current data pipeline built in PySpark and Hive to insert data into BigQuery.
    - Built up the company data science platform. Including being responsible for best practices for data engineering and implementing data science features.
    - Introduced Apache Airflow from scratch. Responsible for maintaining, teaching others (workshops) in how our schedule and workflow platform works in the data team, and how it can be used elsewhere.
    - Worked closely together with data scientist to put statistical AB testing models into production. This included both data engineering and data science aspects.
- 2019 Dec - **Data Engineer, YoYo Wallet, London, full time.**
  - 2019 June
    - Engineered large scale data modeling. Data processing in real time and batch with analytics.
    - Managed the transitioning of the data warehouse from Postgres to utilise Redshift.
- Aug 2018 - **Data Engineer, Yieldify, London, full time.**
  - June 2019
    - Maintaining maintenance of Redshift with Alembic.
    - Working closely with Data Analysts to deliver business needs both ad-hoc and modifying existing architecture.
- August 2018 - **Developer Connected Vehicle Cloud, Ericsson AB, Gothenburg, Sweden, full time.**
  - Jan 2018
    - Worked closely towards OEMs and OEMs delivery partners. Developing connectivity for the modern automotive ecosystem.
    - Engineered micro-service infrastructure in Ericssons cloud environment based on Apcera (similar to k8s).
- Dec 2017- **Software Engineer, Drivec AB, Helsingborg, Sweden, full time.**
  - June 2017
    - Performed analytical work against fleet management systems. Integration of GPRS/GPS and CAN hardware. Preparing data for machine learning solutions, such as using Hellinger Distance.
- 2011 June - **Support & Field Test Engineer, Drivec AB, Helsingborg, Sweden, full time.**
  - 2014 Sep
    - Analyze CAN-bus data from vehicles to find bugs in the system.
    - Handled customer relationships with both small and big businesses.

## Education

- 2014 - 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<sup>2</sup>.** Which was honored as the best thesis in the categories of Computer Science, Electronic, Mechatronic Engineering.
- 2016 - 2017 **Exchange Student BA Computer Science & Engineering, Korea University, KOR, 87.2/100 GPA.**
- 2012 - 2013 **Computer Science, Malmö University, Sweden.**

## Technical skills

- Main Programming/Script Languages:(>3 years: **Python3**), (>1 years: **Terraform**)
- Main Workflow Management Platform:(>2 years: **Apache Airflow**)
- Main Distributed Computing Framework:(>2 years: **PySpark**), (<1 years: **Hive**)
- Main Data Analysis & Manipulation Tool:(>2 years: **Pandas**)
- OS-Level Virtualization Tool: (>3 years: **Docker, Docker-Compose**), (>1 years: **K8S**)
- Main DB Technologies: (**Columnar: Redshift, BigQuery, Athena**), (**NoSQL: DynamoDB**), (**RDBMS: Postgres, MySQL**)
- Main Cloud Technology:(>3 year: **AWS**), (<1 year: **Google Cloud**)
- Certifications: [\[Coursera - Machine Learning\]](#)
- Publications ITMS - MLA<sup>2</sup>: [\[Thesis - Diva Portal\]](#)[\[IOP Science Publication\]](#)

## References

Portfolio: [\[GitHub\]](#)

Honors & Awards: [\[Scholarship - Best Thesis\]](#) [\[Scholarship - Sparbanken Kronan\]](#)

<sup>1</sup>CAN - Controller Area Network

<sup>2</sup>ITMS MLA - Indirect Tire Monitoring System - Machine Learning Approach