

Anton von Schantz

Full Stack Data Scientist

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EXPERIENCE

SIILI ONE | ML ENGINEER | CONTRACTOR

Jan 2022 – Current | Helsinki, Finland

- Hands-on developing an AI-driven underwriting process for the insurance department of a Nordic bank. I also help the client to develop their MLOps capability by implementing best practices and technologies.

THE FINNISH ENVIRONMENT INSTITUTE (SYKE) | ML ENGINEER | CONTRACTOR

Jun 2021 – Dec 2022 | Helsinki, Finland

- Developing a cloud-based machine vision system for Finnish Environment Institute (SYKE). The client has cameras monitoring the conditions of rivers. Until now, hydrologists manually inspect these images to analyze climate change. I'm developing a solution that automatically classifies and segments the imagery from these cameras and displays a near real time summary analysis for hydrologists.

VALUEMOTIVE OY | ML ENGINEER | CONTRACTOR

June 2021 – Oct 2021 | Helsinki, Finland

- A media company in Finland had acquired an e-commerce business. My task was to integrate their analytics product in the new infrastructure. Their analytics product uses visitor input data from their e-commerce platform and Google Analytics, which are stored in BigQuery. The data was ingested daily into an MySQL database in AWS.
- I fixed data pipelines and analyzed machine learning model degradation.

AI ROOTS OY | DATA SCIENTIST | CONTRACTOR

Oct 2020 – March 2022 | Helsinki, Finland

- I worked in a management consulting project done for a parcel delivery company. I performed a customer segmentation analysis based on their customer feedback data.
- I worked in an analytics development project for a private employment agency in Finland. I built a sales prediction system on their CRM database.
- I developed a machine learning model for a construction company for newbuild apartment demand prediction, and designed a dynamic pricing process.

SYSTEMS ANALYSIS LABORATORY, AALTO UNIVERSITY | DOCTORAL RESEARCHER

Oct 2014 – June 2021 | Otaniemi, Espoo

- I specified and developed software running on on-prem clusters for simulation of human crowd disasters. The results were validated with real-life experiments.

VARIOUS JR. DATA SCIENTIST POSITIONS | DATA SCIENTIST

July 2009 – Sept 2014 | Helsinki

- **Comptel Corporation (acquired by Nokia)** I developed an interactive data visualization tool for their analytics product, which is used to visualize and calculate spatial statistics of teleoperator company Big data.
- **VTT Technical Research Centre of Finland** I developed a novel building evacuation model that can be used for real-time evacuation simulations.
- **Valio Oy** I created sales forecasts and performed causal inference on a large food company's and marketing activities to improve their marketing efficiency.
- **Helsinki City Rescue Department** I developed accident forecast models to support decision-making for reallocation of emergency resources in Finland.

SKILLS

PROGRAMMING

Proficient:
Python • SQL • R

Experienced:
Shell

Familiar:
HTML • CSS • JavaScript

LIBRARIES/Frameworks

Tensorflow • Pytorch • FastAPI
• Kedro • MLflow

TOOLS/PLATFORMS

AWS • IBM Watson • GCP
BigQuery • Kubernetes
Docker • Terraform • Git

EDUCATION

AALTO UNIVERSITY


D.Sc. IN OPERATIONS RESEARCH
Oct 2014 - June 2021 | Espoo, Finland

AALTO UNIVERSITY



M.Sc. IN OPERATIONS RESEARCH
Jan 2008 - June 2014 | Espoo, Finland

REFERENCES



Raija Fält, Digital development manager, Barona Oy

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