

# ANTON VON SCHANTZ

## Data Scientist

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## EXPERIENCE

### Data & AI Consultant

#### von Schantz Analytics Oy

📅 Oct 2020 –    📍 Helsinki, Finland

- Currently working for a public sector client, where I develop and implement a machine vision system to AWS. It is to be used to detect Finnish river conditions.
- I worked as a subcontractor for Valuemotive Oy. The client is a large Finnish media company. They own an online marketplace that gives price predictions. I debugged their cloud-based machine learning model responsible for price predictions.
- I worked in a project done in collaboration with AI Roots network. The client was a large Finnish construction company. We developed a machine learning model for newbuild apartment demand prediction, and designed a dynamic pricing process.

### Doctoral Researcher

#### Aalto University, Systems Analysis Laboratory

📅 Oct 2014 – Jun 2021    📍 Espoo, Finland

- I developed a simulation software and machine learning models for crowd disasters, which were implemented on computing clusters (see <https://crowddynamics.aalto.fi>).
- The research was done in collaboration with VTT Fire Safety Research Group and Aalto University Department of Building Design and Construction (see <https://www.hs.fi/tiede/art-2000007992169.html>).

### Data Scientist

#### Comptel Oy (currently owned by Nokia)

📅 June 2014 – Sept 2014    📍 Helsinki, Finland

- I developed an interactive data visualization tool with R for their analytics product. The tool visualizes teleoperator company customer data, and helps in decision-making.

### Data Scientist

#### Aalto University, Department of Marketing

📅 May 2011 – June 2012    📍 Helsinki, Finland

- I worked in a client facing researcher role in a marketing research project done for a large Finnish food company. I analyzed the effect of the company's and its competitors' marketing activities on sales, and developed sales forecast models.

### Data Scientist

#### Risk Management Unit, Helsinki City Rescue Department

📅 July 2009 – October 2009    📍 Helsinki, Finland

- I developed a Bayesian linear regression model for accident rates. The model predictions were used to reallocate emergency resources in Finland. The project was done in collaboration with VTT Fire Safety Research Group and Emergency Services Academy of Finland.

## SUMMARY

I am keen on helping businesses make better decisions by combining their data and my machine learning and modeling expertise. I am a data scientist with a decade of industry experience. I also have a scientific background in systems and operations research.

## SKILLS

Machine Learning   Python   R   SQL  
JavaScript   Flask   Kubernetes  
Gurobi   Docker   AWS   Power BI  
Tableau   Management Consulting

## LANGUAGES

Finnish    ●●●●●  
Swedish    ●●●●●  
English    ●●●●●

## EDUCATION

### D.Sc. in Operations Research

#### Aalto University

📅 2014 – 2021

### M.Sc. in Operations Research

#### Aalto University

📅 2008 – 2014

## REFEREES

#### Marko Laakso

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