

ANTON VON SCHANTZ

Data Scientist & Optimization Specialist

📍 Helsinki, Finland 📞 +358504346501 ✉ anton.von.schantz@aalto.fi
📄 anton-von-schantz 🌐 github.com/antonvs88

🌐 antonvonschantz.com



EXPERIENCE

Doctoral Researcher

Aalto University, Systems Analysis Laboratory

📅 Oct 2014 – Sept 2020 📍 Espoo, Finland

- I developed novel numerical simulation and optimization models for building evacuations.
- The research resulted in 6 publications, and collaborations with VTT Fire Safety Research Group and Aalto University Department of Building Design and Construction. I also personally received two grants, and my research was featured in the magazine "Tekniikan Maaailma".
- I taught 20 university level courses on artificial intelligence and mathematical optimization, and received the department's teacher of the year award 3 times.

Secretary

Finnish Operations Research Society

📅 Sept 2015 – Feb 2017 📍 Helsinki, Finland

- I promoted the field of operations research (OR) by organizing and marketing 4 events on using different OR methods in business and in other practical applications.
- I was the editor of 3 issues of the society's journal.

Data Scientist Trainee

Comptel Oyj

📅 June 2014 – Sept 2014 📍 Helsinki, Finland

- I used R to develop an interactive data visualization tool for their analytics product.
- The tool visualizes teleoperator company customer data, and acts as an aid for decision-making.

Research Assistant

Aalto University, Systems Analysis Laboratory

📅 June 2012 – Sept 2013 📍 Espoo, Finland

- I developed a building evacuation simulation model that can be used for real-time safety analyses.
- In collaboration with VTT Fire Safety Research Group, I coded a mathematical model to describe crowd turbulence, which is the main phenomenon behind crowd disasters in mass gatherings.

Project Worker

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.

SUMMARY

An almost graduated PhD with +10 years of experience in data science and research. Complex problem solving skills as proven by expertise in mathematical modeling and optimization of one of the worlds most complicated socio-technical systems of an evacuating human crowd. Now interested in implementing my strong analytical skills to create value for customers. On my free time, I train to break my 60 kg weighted dip record, and teach mathematics to university students.

SKILLS

Math Optimization Artificial Intelligence
Data Analysis High Performance Computing
Python R
Project Management Complex problem solving
Written and Verbal Communication

LANGUAGES

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

EDUCATION

PhD in Operations Research

Aalto University

📅 2014 – 2020

MSc in Operations Research

Aalto University

📅 2008 – 2014

REFEREES

Prof. Harri Ehtamo

Aalto University
harri.ehtamo@aalto.fi +358503416853

Prof. Simo Hostikka

Aalto University
simo.hostikka@aalto.fi +358504471582