



Sakari Cajanus  
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In January 2017, I left Finland to do something else for a while.

I worked on Cat Ba in Vietnam as a guide for climbing and kayaking, and then traveled and climbed in Middle East and South East Asia.

When I got a job in the field again, I wondered how good I still was.

Pretty good.

Now I am in Berlin, in the future either here or someplace else.

# Sakari Cajanus

## Data Scientist – Curriculum Vitae

**About Me** I have a degree in Biomedical Engineering from Aalto University, where I studied modelling biological networks and computational genomics. Since then, I have used the knowledge in the field of marine industry and opinion research. I have worked in research, and as an analyst, product manager and software developer.

I made this: [DWS tide calendar](#). It combines tidal data from [worldtides.info](http://worldtides.info) API, pokes at it, and presents it as a calendar and daily plots.

## Experience

### June 2018 – now, *Product Owner of Data and Statistics, Civey GmbH*

- I was responsible for Recommendation engine, population data and vote data packages.
- Built a new recommendation engine based on a hidden Markov Model from scratch to production with Python and gRPC, along with several working prototypes on the way using Flask
- Built several small services that involved getting data from a database, transforming it or performing rudimentary modeling, and presenting as a web app

### February 2017 – August 2017, *Adventure Guide, Asia Outdoors*

- Good for water cooler talk. And team events, if you want to go climbing.

### February 2014 – January 2017, *Several positions, Eniram Ltd.*

Product manager:

- Product management of Models and Data Processing teams, product owner of statistical models and data processing software
- Worked with other product managers and CTO to satisfy customer needs, prioritize development tasks and deliver on time

Software developer:

- Developed software for data analysis in Python and Matlab
- Moved software to production, planned roadmaps
- Developed minimum viable product for delivering push notifications from Matlab (!) to a mobile app.

Analyst:

- Delivered reports to customers on time and with accuracy
- Tracked, diagnosed and fixed data quality issues
- Focus on fuel savings and system usage, including comparisons between vessels

### June 2013 – November 2013, *Master's Thesis Worker, Polar Electro Oy*

Studied the data and the extent to which it is used in the company. Identified opportunities where data could be used to improve customer experience and marketing.

### May 2011 – Dec 2012, *Research Assistant at BECS, Aalto University*

Used point pattern and spatial models for human communication and nerve fiber data. Used both MATLAB and R for statistical analysis.



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## Education

### 2015, Aalto University

Master of Science (Tech.) in Bioinformation Technology

### 2012, Aalto University

Bachelor of Science (Tech.) in Bioinformation Technology

## Tech skills

### At work and at home

- Python
- gRPC
- SQL
- Flask
- R
- etc.

### In the past

- C/C++
- Matlab
- Java

### Soft tech skills

Unit testing, git, I'm pretty good in vim and can write a mean regex.

I would like to refresh my statistics and linear algebra, as well as keep doing small things for web.

## Positions of Trust

2016, *Vice Chairman, Contractura climbing club*

2016, *Member of Delegation, Medical student association*

2011, *Member of the Board, Inkubio ry., student association*

## Language skills

### Fluent

Finnish, English as work language for 7 years

### Conversational

German – can follow most conversations, speak basic German

Swedish – the same, but worse