TIM HAGMANN
CURRICULUM VITAE

SUMMARY

>> Forward thinking leader and data scientist with a 12+ years track record of successfully developing and deploying real world analytics projects. Strong skills in communicating data strategy in different settings and to all levels including partners and senior management.

>> Excellent statistical programming skills (R and Python) and sound expertise in quantitative methods. Passionate about data/analytics; eager to learn something new every day.

>> Effective and confident communicator; facilitator of collaboration between IT, business and analytics teams that leads to long lasting projects with measurable positive customer impact.

PROFESSIONAL EXPERIENCE

- **Head of Analytics**
  Sympany
  October 2019 – today
  I'm head of the analytics department at Sympany and lead different groups of market researchers, data analysts and data scientists. We're focused on analyzing internal and external data sources across all divisions of the company. Our main goal is to provide actionable insights on our customers through the application of various quantitative and qualitative methods.

- **Head of Customer & Market Analytics**
  Sanitas
  June 2017 – September 2019

  I was the head of customer and market analytics at Sanitas. My team and I were analyzing health care data from different sources such as wearables, the Sanitas Active App as well as further internal and external data sources.

- **Head of Sanitas Active**
  Sanitas
  March 2015 – July 2017

  I was the head of the Sanitas activity tracking project starting from conception up to its full launch in 2017. During that time I lead a diverse team of up to 8 people.

- **Data Scientist**
  Baloise Group
  February 2012 – March 2015

  I worked as a data scientist and deputy head of the Product and Market Analytics group (8 FTE's) at Baloise. Besides conducting a large number of small and mid-sized analytics projects, I was the lead data scientist for projects such as Baloise Plus, the Baloise Risk Map and various web scraping projects.

- **Years before**: Actuarial Intern at Baloise, Research Assistant at the University of Zurich, Sub-Officer and Officer School.

Tim Hagmann

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in www.linkedin.com/in/timhagmann

ACADEMIC EDUCATION

- **2018 | Professional Graduate Data Science Certificate (GPA 4.0)**
  Harvard University

  Two-year part-time program with courses in Big Data (Spark & Hadoop), Deep Learning / Neuronal Networks as well as interactive data visualizations in D3

- **2012 | MSc in Statistics (Top 10%)**
  Université de Neuchâtel

- Including an exchange semester to the Université de Lille, France

- **2010 | BA in Economics (Top 10%)**
  Universität Zürich

- Including an exchange year to the University of Limerick, Ireland

PUBLICATIONS

Openness and digital transformation
Ongoing study with the Zurich University of Applied Sciences (ZHAW).

Algorithmic Modelling in Insurance
Paper examining the use of machine learning in the insurance industry.

Earning While Learning
Statistical analysis of the impact of student employment during tertiary education.

Economic consequences of the Irish Famine
Statistical Analysis of the short and long run consequences of the Irish potato famine of 1845-1852.

SKILLS

LANGUAGES

German and Swiss German (mother tongue)

English (proficient user, C2)

French (independent user, B2)

Spanish (basic level, A1)

IT/PROGRAMMING SKILLS

Statistical programming (R, Python)

Database languages (SQL, ODBC)

Big data technologies (Spark, Tensorflow)

Interactive data visualizations (Shiny, D3)

Web programming (HTML, CSS, JS, API Access)

MANAGEMENT METHODS

Brainstorming, mind-mapping, storyboarding, visualization and visual prompts, Business Canvas and Rapid prototyping

Agile methods (Scrum and Kanban)

Application of Business Process Models and Notations (BPMN) for IT and analytics specifications

VOLUNTEER EXPERIENCE

Lecturer / Instructor Business & Economics
Every year I teach business and economics during Economy Weeks (WIWAG) to high school students. The WIWAG Economy Weeks are a joint project offered by the Ernst Schmidheiny Foundation, the Cantonal Chambers of Industry and Commerce and numerous companies in Switzerland.

Boy Scouts
I was actively involved for several years at national, cantonal, regional and local level in various positions for the Swiss Guide and Scout Movement (PBS).

SOS Children's Village Ethiopia
I worked for the Ethiopian Scout Project, which was a joint project between the Swiss Guide and Scout leaders (PBS) and SOS Children's Village Ethiopia. I spent several months in Ethiopia building the leadership structure and organizing workshops for the project.

INTERESTS

Hiking, Scouting, Snowboarding

Cooking (French and European cuisine)

Travelling (Africa, Asia, Australia, Europe, North America)

Reading (currently "21 Lessons for the 21st Century" by Yuval Noah Harari, "The Remains of the Day" by Kazuo Ishiguro)

PUBLIC PROJECTS

Solidarity in a digital world

As digitalization creates new opportunities in almost all areas of life, companies are developing products and services to help customers leverage the benefits of these new developments. However, in addition to entrepreneurial issues, these changes are opening up social questions. I am part of a group working for the Sanitas foundation that commissions surveys and organizes events such as the Swiss digital day to help answer these questions.

Sanitas Active

The Active App is designed to help Sanitas customers to achieve and maintain a healthy lifestyle. With the Swiss Federal Office of Sports recommending that you take 10,000 steps daily, this app encourages its users to get more exercise. I was head of this app and activity tracking project from the conception up to its full launch.

Baloise Plus

Baloise Plus is the benefits program for Baloise customers. The more contracts customers are holding the larger their benefits. I was the lead data scientist on the project.

Baloise Risk Map

The interactive risk map for burglary and theft is a tool for Baloise customers, insurance agents and actuaries to analyse the individual risk distribution at a cantonal as well as municipal level. It is build based on internal data, external data from the federal office of statistics and the D3.js framework. I was the project lead and lead data scientist of the Baloise Risk Map.

REFERENCES

Mario Bernasconi
CEO at Well,
former CPO at Sympany

Lukas Vogt
CEO at Finovo,
former CTO at Sanitas

Richard Etter
CEO at Klenico,
former Head of Digital Business Models at Sanitas

Andrea Daneshfar
Senior Project Manager Digital Innovation at Roche, former Head of Transformational Projects at Sanitas

Damian Schärli
CEO at JLS Digital, former head of business development