



# DAVID HANNY

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## OVERVIEW

I'm a data scientist currently working in geosocial media research. Curious about methodology, interested in valuable applications of data science, specifically in the intersection with digital media.

## TECHNICAL SKILLS

Machine Learning | Big Data Algorithms | Natural Language Processing | Statistics | Software Development | Data Visualization | Databases | Python | R | Java | JavaScript | SQL | HTML | CSS | Linux | LaTeX

## WORK EXPERIENCE

**RESEARCH ASSISTANT** | Z\_GIS - Department of Geoinformatics | Salzburg since December 2022

- Part of the Geosocial Analytics Lab which focuses on understanding real-world events through public data.
- Development of new machine learning methods for analyzing and modeling geospatial data, especially geo-social media posts in the context of disaster management and epidemiology.
- Implementation and evaluation of neural networks and NLP pipelines. Software development for data acquisition and data processing with Java and Python. Infrastructure management.

**DATA SCIENCE CONSULTANT** | Axians ICT Austria GmbH | Salzburg July 2021 – November 2022

- Conception and implementation of AI applications with Python, Java, JavaScript and TypeScript.
- Completed a tool for computing the CO<sub>2</sub> emissions of construction projects and an application for mapping orders to the internal product groups of a major Austrian industrial company.
- Development of a variety of database management tools for Postgres and Oracle databases, e.g. for automatic testing, OAuth authorization and easier schema administration.

**DATA SCIENCE EXPERT** | correlate analytics gmbh | Salzburg June 2022 – August 2022

- Production of quiz items for the assessment of data science knowledge on competence levels five and six of the European Qualifications Framework.

**VARIOUS FREELANCE JOBS AND INTERNSHIPS** 2014 – 2021

- Data journalism and programming for Dossier, a non-profit newsroom based in Vienna.

- Editorial work for kiwiblau, Forbes DACH, Wiener Zeitung, ORF Ö3, Kurier.

- Software testing and IT administration at ÖBB and VAEB.

## EDUCATION

**MSc | DATA SCIENCE** | Paris Lodron University of Salzburg 2020 – 2023

- Specialization in statistical methods, big data algorithms and image processing.
- Core subjects in the area of data mining, machine learning, statistical programming and databases.
- Lots of voluntary coursework in computer science, mathematics and philosophy of science.
- Student representative, part of the curriculum and admissions committees.

**BA | JOURNALISM AND MEDIA MANAGEMENT** | FHWien of WKW 2017 – 2020

- Specialization in data journalism and investigative research.
- Interdisciplinary mix of communication science, media technology, economics, political science and law.
- Semester abroad in Antwerp, Belgium.

**Matura | INFORMATION TECHNOLOGY** | Higher Technical College (HTL) Krems 2012 – 2017

- Software development with C#, C, JavaScript and PHP.
- Systems engineering, media technology, hardware programming, elective subject economics and law.

## LANGUAGES

German (mother tongue) | English (C1) | French (B1) | Russian, Dutch (A1)