

Christian Hobelsberger

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EDUCATION

LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN (LMU)

Bachelor of Science (B.Sc.)

Major in Statistics and Data Science; Minors in Computer Science

Cumulative GPA: 1.50 (3.5/4.0 American GPA)

Relevant Coursework: Generalized Regression; Linear Models; Introduction to Machine Learning; Calculus 1 & 2

Munich, Germany

Expected June 2023

Gymnasium Munich Moosach

GCE A-Levels / Abitur

Cumulative GPA: 2.0 (3.0/4.0 American GPA)

Exams: mathematics; English; economics; computer science; German

Founder and Head of the school chess club

Munich, Germany

- June 2020

WORK EXPERIENCE

TELEFÓNICA GERMANY

Data Science Working Student

Munich, Germany

Jun 2021 – Present

- Developed an application from scratch using Python and the Gitlab API, seamlessly enabling collaboration between teams for over 100 employees
Tools used: Python, Gitlab-API, Docker, Gitlab-CI/CD, Scheduler
- Retrained a machine learning model in Python for alarm generation on financially-relevant time series data, resulting in improved aggregation of alarm periods and a clear reduction of false alarms by 33%
Tools used: Python, SQL, Microsoft Azure Databricks
- Compiled a large, labeled dataset from various data sources using complex SQL queries, and subsequently implemented automated plausibility checks using cloud computing resources
Tools used: Python, SQL, Oracle/Apache Hive Database
- Conducted statistical analysis and tuned the parameters of the STL function for an alarm-generating machine learning model to better detect level shifts
Tools used: Python (statsmodels STL, scikit-learn)
- Presented to various stakeholders within my division on the complexity of transforming a Python script into a productive application

AFTER-SCHOOL CARE (Gymnasium Munich Moosach)

Afternoon caregiver

Munich, Germany

Jun 2019 – Present

- Professional support for students in grades 5-8 in various subjects
- Management of a chess program that allows students to learn and explore the game of chess

VOLUNTEERING & UNIVERSITY PROJECTS

TUTOR

Jun 2018 – Aug 2021

- Lessons in math, physics and computer science for high school students which led to improved grades

PARTICIPATION IN THE “gemeinsam.Brücken.bauen” Project

Sep 2021

- Supporting high school students in closing coronavirus-related learning gaps on behalf of the Bavarian state government
- Lessons in math at the Gymnasium München Moosach during the summer vacations

CTIS MENTAL HEALTH PROJECT

Oct 2022 - Mar 2023

- Utilized data from the Global COVID-19 Trends and Impact Survey to examine the mental health in relation to variables such as age, education level, etc. during the COVID-19 pandemic in R
- Created an interactive R Shiny web app that allows users to view mental health levels over time on world maps or examine the impact of different covariables
Tools used: R (Shiny), LRZ Linux Cluster (computational resources)

ESG DATA SCIENCE DAY - Munich Re

Oct 2022

- Explored the topics of Environmental, Social, and Governance (ESG) and data
- Presented a proposed insurance solution for wind turbine failure in Europe as part of a coding competition at Munich Reinsurance Company

ACTIVITIES

CHESS CLUB

Munich, Germany

Founder & Manager

Dez 2018 - Present

gym-muc-moosach.musin.de/faecher/schachklub

- Founded the school's own chess club and thus established another space for the intellectual development of the students
- Organized large chess tournaments with over 120 participants
- Won the 3rd place of the munich school chess-team championship 2019 in competition-class 2

STATISTICS STUDENT COUNCIL (LMU)

Munich, Germany

Financier & elected member

Oct 2020 - Present

fachschaft.statistik.uni-muenchen.de

- Leading financier of the statistics student council
- Managing and administering the finances of the student council and representing the interests of the students

CHESS COACH

Apr 2019 - Dez 2021

- Teaching chess to kids at my local chess club "Schachfreunde München"

ADDITIONAL

Technical Skills: Python, R, SQL, Java, Microsoft Office 365

Languages: German, English (B2+/C1)

Certifications & Training: Artificial Intelligence Foundations, Tableau Essential Training (2020.1) (LinkedIn)

Interests: Member of Mensa in Deutschland e.V. (Association for the highly gifted), Chess, Sailing, Swimming