

# Dipl.-Ing. Andreas Buchner

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## Work Experience

### HCM ADVICE

Vienna

#### AI Developer

Nov. 2025 – present

Research and development of AI-driven applications. Advising the CEO on the evaluation and adoption of AI solutions.

Technical project lead for an agentic AI system supporting SAP consultants by analyzing SAP system data to identify and recommend correct solutions efficiently.

### Oesterreichische Nationalbank (OeNB)

Vienna

#### Data Scientist

May 2024 – Oct. 2025

Analyzing and assessing credit risk of non-financial companies using financial modeling, stress testing, and qualitative risk factors.

Development of Machine Learning models for the rating of non-financial companies using Python. Strong focus on explainability of the model.

Designing, developing, and implementing a qualitative rating program in Excel and VBA.

### Dynatrace

Linz

#### Data Science Intern

Sep. 2023 – Nov. 2023

Churn prediction using user monitoring data with Python. Identified user behavior patterns using rule learning, helping to improve customer relationships and flag potential churn.

### Dynatrace

Linz

#### Software Engineering Intern

Jul. 2022 – Aug. 2022

Contribution to the development of a full-stack application with Java Spring Boot and Angular.

### Vienna University of Technology

Vienna

#### Tutor

2020 – 2022

Provided academic support in lectures on database systems, data analysis & visualization, and information systems, including tutoring and coursework assistance.

### Infineon

Linz

#### UX Developer Intern

Jul. 2020 – Aug. 2020

Contribution to in-house chip testing software using MATLAB.

### Siemens, Voestalpine

Linz

#### Internship in production factories

Summer 2016 – 2019

## Education

### Vienna University of Technology

Vienna

#### Dipl.-Ing. Data Science, Graduated with distinction

Oct. 2021 – Sep. 2024

Advanced Modules: Machine Learning and Statistics, Visual Analytics, and Semantic Technologies.

Diploma Thesis: *Artificially Intelligent Political Agents*. Utilizing LLMs to simulate historical politicians in discussions on current political and societal issues.

Completed research project testing whether the change of topological landscapes in stock price data can predict upcoming crashes.

**Pohang University of Science and Technology (POSTECH)**  
*Exchange in South Korea, Graduate School of Artificial Intelligence*  
Courses: Computer Vision, Computational Intelligence, English.

**Pohang, South Korea**  
*Sep. 2022 – Dec. 2022*

**Vienna University of Technology**

*B.Sc. Business Informatics*

Bachelor Thesis: *Implementing the conservative formula, an investment strategy introduced by David Blitz and Pim van Vliet.*

Automated stock selection and trading based on a strategy developed by Dutch researchers, as well as performance monitoring compared to the S&P 500 as a benchmark.

Certificate: Integrative Introduction to SAP.

Developed a modern web application (concert ticket shop) as a team of six, applying CI/CD, APIs, agile methods, and full-stack development. Features included seat reservation, invoice generation, and payment integration.

**Georg von Peuerbach Gymnasium**

*A-Levels, With distinction*

High School with focus on Physical Education. Certificate as Lead Gymnastics Instructor.

**Vienna**

*Oct. 2018 – Aug. 2021*

*Sep. 2010 – June 2018*

## Skills

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**Languages:** German (native), English (C1), Italian (A2)

**Programming:** Python, Sklearn, Langchain, Java, R, VBA, JavaScript, TypeScript, MATLAB, SQL, Spark, Hadoop, Snowflake, Angular, Spring Boot

## Interests

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**Sports:** Skiing (Participated in races), Road Cycling, Ski Mountaineering, Hiking, Running

**Music:** Playing the Piano since 2006.

**Other:** Wood working, Programming, Reading (History, Finance, Fantasy), Strategy and simulation games

“The ability to simplify complex matters is the essence of intelligence.”