

LEOPOLD PFEIFFER

MSc Data-Intensive Analysis student & code enthusiast

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📍 St Andrews, UK

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EDUCATION

MSc Data-Intensive Analysis

University of St Andrews

📅 Sep 2020 – Sep 2021 📍 St Andrews, UK

Current GPA: 18.5

BSc Global Business Management

Augsburg University

📅 Oct 2017 – Jun 2020 📍 Augsburg, Germany

GPA: 1,38

University of St Andrews

Visiting Student (Maths, Financial Econ & Management)

📅 Sep 2019 – Dec 2019 📍 St Andrews, UK

Simpert-Kraemer Gymnasium

Secondary school with A-levels equivalent ("Abitur")

📅 Sep 2009 – Aug 2017 📍 Krumbach, Germany

GPA: 1,0

Mt Eliza Secondary School

Student exchange to Australia

📅 Feb 2015 – Apr 2015 📍 Mt Eliza, Australia

ACCOMPLISHMENTS



Scholarship of the German Academic Scholarship Foundation (since Dec 2017)

Awarded for outstanding academic achievements (best ~0.5% of German university students)



Scholarship of the Max Weber-Programme Bavaria (since Oct 2017)

Awarded for outstanding academic achievements to the best university students in Bavaria



Online scholarship of e-fellows.net (since Jan 2018)

Career network and online scholarship programme

WORK EXPERIENCE

Data Engineer & Developer (part-time)

Solidvest by DJE Kapital AG

📅 May 2020 – Present 📍 Remote

Developing in-house compliance software solutions to monitor employee and business trades.

- Building data pipelines, designing monitoring logic and databases.
- Developing front-end applications using Django web-framework and Javascript.

Student Research Assistant

Augsburg University, Chair of Global Business and HR

📅 Apr 2020 – Jul 2020 📍 Augsburg, Germany

- Provided data and created visualisations for lecture slides.
- Replicated empirical studies in the area of HR management to be used in teaching.
- Restructured and renewed the new website of the chair.

Data Analyst Intern

Solidvest by DJE Kapital AG

📅 Jan 2020 – Mar 2020 📍 Pullach i. Isartal, Germany

- Implemented price-simulation (Monte-Carlo, GBM etc.) of financial products.
- Conducted statistical analyses of customer data for marketing purposes.
- Assisted in the design and implementation of data pipelines for an in-house business intelligence tool.

VOLUNTEERING

Co-Founder and Chairman

Pamoja Initiative e.V.

📅 Feb 2018 – Dec 2020 📍 Krumbach, Germany

Local NGO in my hometown with the goal of supporting students to launch and organise their own charity projects.

PROJECTS

BSc dissertation: Genetic Algorithms for Inventory Optimisation

Augsburg University

📅 May 2020 – June 2020

Grade: 1,0 (100 %)

- Explored the applicability of Genetic Algorithms for inventory optimisation in serial supply chains.
- Implemented the supply chain model and the optimisation algorithm using Python.

Stock portfolio web-interface

📅 June 2020 – Aug 2020

Built a web-app using the Django web-framework and a custom API for data retrieval.

AI in Strategic Games

Augsburg University

📅 Mar 2020 – May 2020 📍 Grade: 1,0 (100 %)

- Implemented Monte Carlo Tree Search and Alpha Beta Pruning for Connect Four.
- Integrated the AIs into a web app using Flask and JavaScript.

Process modelling and optimisation

Ostallgäu Klinik Kaufbeuren

📅 May 2019 – Aug 2019 📍 Kaufbeuren, Germany

University project at a medium-sized hospital

- Modelled the nursing documentation process using BPMN 2.0.
- Developed an optimised process by introducing a digitised approach.

Revisiting the PageRank algorithm

Augsburg University

📅 Mar 2019 – May 2019 📍 Grade: 1,0 (100 %)

- Explored the mathematical concepts behind Google's PageRank algorithm.
- Rebuilt the algorithm in Python.

SKILLS

Software development

Python Django pandas Java OOP
Javascript SQL & NoSQL sqlalchemy
API design and use Container tools (e.g. Docker)
Project design

Statistics

Statistical Programming Data Analysis
R ggplot tidyverse Linear models GLMs
Basics of Machine Learning sklearn

Project management

Process modelling UML BPMN 2.0 Scrum

LANGUAGES

German ● ● ● ● ●
English ● ● ● ● ●
French ● ● ● ● ●
Spanish ● ● ● ● ●