



# SIMON WELLNHOFFER

DATA SCIENTIST

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Recent Bachelor of Science in Engineering Informatics graduate from Universität Augsburg, with a strong interest in data science and aspiring to work in the US. I have a strong foundation in data science from my studies and projects, and have an analytical and structured approach to solving complex problems.

## EXPERIENCE

MAY '24 - PRESENT

### Self-Learn | Data Science

- Completed various Harvard online classes and other tutorials to practice data handling and analysis with Python:
  - CS50: Improved my Python programming skills, focusing on writing cleaner, more readable, and secure code.
  - CS109a: Learned data science principles, including data wrangling, visualization, and basic machine learning.
  - CS50 AI: Studied AI concepts and algorithms, focusing on machine learning, optimization, and intelligent system design.
- Developed programming projects, which can be found on my website or in my GitHub profile.
- Software: Python (Scikit-Learn, NumPy, Matplotlib, Pandas), SQL, Git

DEC '23 - MAY '24

### Research Assistant for Construction Class | University Augsburg

- Developed and programmed a robotic arm.
- Tested and set up motors, Raspberry Pis, and CAN bus.
- Designed the robotic arm in CAD and utilized 3D printing and other materials for construction.
- Wrote basic code to test the functionality of the robotic arm.

NOV '21 - SEP '23

### Research Assistant IT Department | University Augsburg

- Successfully developed, tested, and deployed a complex Django website.
- Created a website to display various datasets in a structured way, including an Elasticsearch feature and many individual features.
- Software: Django, SQL, HTML, CSS, JavaScript.
- Additional tasks: Troubleshooting computers and printers, setting up and testing new software, inventory management.

## EDUCATION

MAY '24

### Bachelor of Science (B.S.) in Engineering Informatics

University Augsburg

- A mix of Computer Science and engineering
- Theoretical foundations in Computer Science, Mathematics, Physics and Engineering
- Special interest in practical classes focused on software programming, robotics, measurement and control technology, and production engineering.
- Coursework in data science and machine learning theory.
- Classes on developing safe and secure software.

## SKILLS

Analytical Skills

Problem-Solving

Data Manipulation and Analysis

Data Visualization

Machine Learning Basics

Efficient Coding, Enhanced by AI-Tools

Web Development

CAD and 3D-Printing

Microcontroller and Robotics

## LANGUAGES

Python

C/C++

HTML

CSS

Git

JS Basics

Java

Excel