Tobias Friedrich Völkel

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LinkedIn:

I am a student of International Information Systems at FAU Nuremberg. Previously I graduated with a B.A. in Politics and Economics from the University of Münster. During internships in IT and management consulting I gained experience in data analysis and productive teamwork. Currently, I am expanding on my passion for technology and programming. I am looking forward to the challenges ahead.

Working Experience

Starting from April 17th 2023

Process&, Munich
Data Scientist and Process Mining Architect (Working Student)

Process& is a process mining consulting company, working for well known companies like Deutsche Bahn or BMW. My work in the data science department will center around analyzing event data with SQL and Python as well as communicating working with clients in order to improve the efficiencies of their processes.

01.05.22 - 31.07.22

Capgemini Invent, Nuremberg
Student Consultant (Internship)

At Capgemini Invent I worked on an extensive strategy project located at a large federal ministry. The project goal was to accelerate the implementation of the Online Access Act (OZG). In the run-up to the release of a nationwide software tool and website I was involved in the planning of a large-scale IT carve out, whereby I conducted comprehensive data analyses using Excel. Additionally I created vivid presentations and effectively communicated my findings. Other aspects focused on further topics of change management. At Capgemini Invent, I was able to expand my experience in working with data, in project management, and change management.

01.09.21 - 30.11.21

PricewaterhouseCoopers, Cologne/Münster
Technology Consulting (Internship)

At PwC, I worked on a variety of digitization projects for federal and state ministries as well as larger cities. The focus of my work was change management projects and requirements analyses for software solutions. I also gained experience in employer branding and designed a social media marketing project. At PwC, I was able to gain insightful experience in finding the best targeted solutions to specific requirements and problems.

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01.09.16 - 15.04.17

Foundation of the Sparkasse Erfurt, Weimar and Sömmerda

Volunteering work (FSJ)

At the Sparkasse Mittelthüringen Foundation, I supported funding partners and their projects. Here I learned about the immense value of volunteering work for communities.

🎓 Education

Since 01.10.22

M.Sc. International Information Systems
Friedrich-Alexander-Universität Erlangen-Nürnberg

Current Grade: 1.6

During my first Master's semester in International Information Systems, I am learning the basics of the programming language C and the structure of databases. In addition, I am deepening my knowledge in Python and the AI library PyTorch while taking a class about the development of computer vision systems. Further I am expanding my view on knowledge management and global project management.

01.10.18 - 31.03.22

B.A. Politics and Economics
University of Münster

Thesis: 1.6 - Final Grade: 2.0

To tailor the studies to my interests, I specialized in statistics for economics and social sciences and digitization topics. As part of this, I took courses in advanced statistics and econometrics, which included programming work in R. Further I took seminars focused on digitalization and energy economics.

15.10.20 – 31.03.21

TechLabs Digital Shaper Programm - Python for Data Science
TechLabs e. V., Münster

Extracurricularly, I completed the Digital Shaper program from Techlabs. At TechLabs, a program for the promotion of digital competence, a programming language is learned for half a semester and a team project is carried out. In the process, I attended the program "Data Science with Python." The course included programming with Python and the libraries Pandas and NumPy. Our final project - an interactive map of crime data in London - got awarded as the most outstanding project of the semester.

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17.06.16
Abitur
School Marienau, Dahlem
Final Grade: 1.7

During my time at school, I had the chance to take responsibility for my fellow students as a Cornett (older student in a boarding school with a caring and supervisory function) and as member of the school parliament. Furthermore, I volunteered in the admission of a Syrian refugee family and several underage Syrian refugees to our school.

Further Competences

Languages

Englisch	9	**Deutsch**	10
Fluent, TOEFL: 112/120		Native speaker	

Software and Programming

Microsoft Office	9	**R**	3
Especially proficient with Excel and Power Point		Experience with regression analysis, data collection, processing and visualiz-	

Frontend Web Development	3	**SQL**	5
Basic knowledge of HTML, CSS and JavaScript.		Experience with the theory behind relational databases, writing search queries and administrating databases.	

Python	7	**C**	5
Experience in Python from data acquisition, preparing and analysis; experience with OOP; Worked with libraries such as NumPy, Pandas, Matplotlib or PyTorch.		Basic experience in working with C; Knowledge in data management and sorting algorithms.	