Manuel Pasieka

Software Development & Data Science & Practical ML

Contact

🏠 Vienna, Austria

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⊙ github.com/mapa17
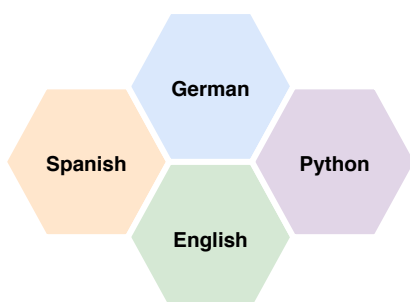
in linkedin.com/in/manuelpasieka

🏃 Garmin-connect

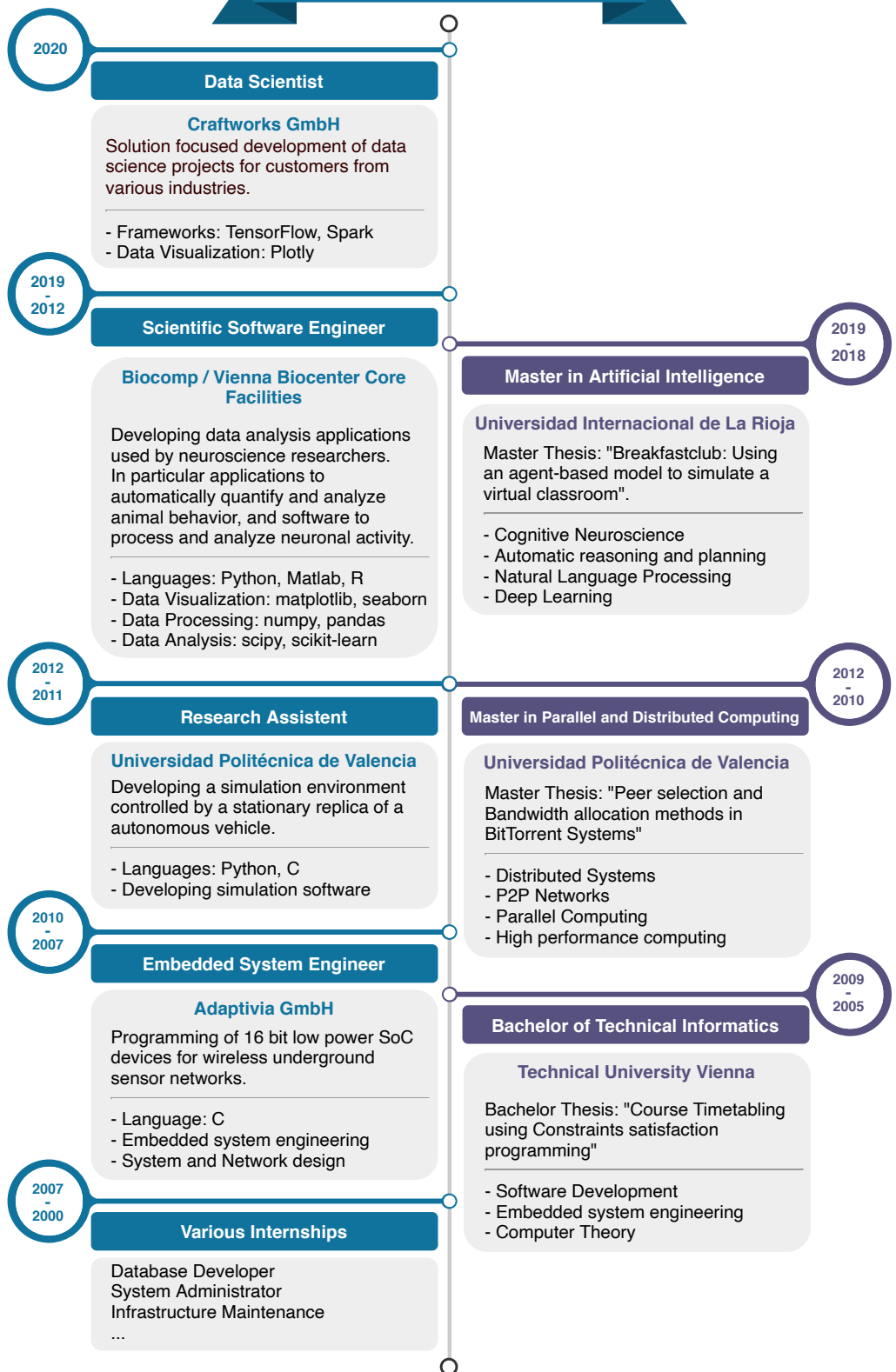## Skills

Software Development

Machine Learning

Data Analysis

Problem Solving

Languages

German

Spanish

Python

English

I am eager to work with other machine learning experts to solve problems of automatic decision making and general artificial intelligence (e.g. learning, search and pattern recognition).

Experience & Education

2020

Data Scientist

Craftworks GmbH
Solution focused development of data science projects for customers from various industries.

- Frameworks: TensorFlow, Spark
- Data Visualization: Plotly

2019 - 2012

Scientific Software Engineer

Biocomp / Vienna Biocenter Core Facilities

Developing data analysis applications used by neuroscience researchers. In particular applications to automatically quantify and analyze animal behavior, and software to process and analyze neuronal activity.

- Languages: Python, Matlab, R
- Data Visualization: matplotlib, seaborn
- Data Processing: numpy, pandas
- Data Analysis: scipy, scikit-learn

2019 - 2018

Master in Artificial Intelligence

Universidad Internacional de La Rioja

Master Thesis: "Breakfastclub: Using an agent-based model to simulate a virtual classroom".

- Cognitive Neuroscience
- Automatic reasoning and planning
- Natural Language Processing
- Deep Learning

2012 - 2011

Research Assistent

Universidad Politécnica de Valencia
Developing a simulation environment controlled by a stationary replica of a autonomous vehicle.

- Languages: Python, C
- Developing simulation software

2012 - 2010

Master in Parallel and Distributed Computing

Universidad Politécnica de Valencia

Master Thesis: "Peer selection and Bandwidth allocation methods in BitTorrent Systems"

- Distributed Systems
- P2P Networks
- Parallel Computing
- High performance computing

2010 - 2007

Embedded System Engineer

Adaptivia GmbH
Programming of 16 bit low power SoC devices for wireless underground sensor networks.

- Language: C
- Embedded system engineering
- System and Network design

2009 - 2005

Bachelor of Technical Informatics

Technical University Vienna

Bachelor Thesis: "Course Timetabling using Constraints satisfaction programming"

- Software Development
- Embedded system engineering
- Computer Theory

2007 - 2000

Various Internships

Database Developer
System Administrator
Infrastructure Maintenance
...

Publications

📖 Pliota, P., Böhm, V., Grössl, F., Griessner,J., Valenti, O., Kraitsy, K., Kaczanowska, J., **Pasieka, M**., Lendl, T., Deussing, J. M. and Haubensak, W. (2018) 'Stress peptides sensitize fear circuitry to promote passive coping', *MolecularPsychiatry*.

📖 Dr. Johannes Griessner , **Manuel Pasieka** , Mr. Vincent Boehm , Mr. Florian Grössl , Mrs. Joanna Kaczanowska , Dr. Pinelopi Pliota , Mr. Dominic Kargl, Ms. Barbara Werner , Dr. Nadia Kaouane , Ms. Sandra Strobelt , Dr. Silke Kreitz , Prof. Andreas Hess and Haubensak, W. (2018) 'Central amygdala circuit dynamics underlying the benzodiazepine anxiolytic effect', *MolecularPsychiatry*.