Manuel Pasieka

Software Development & Data Science & Practical ML

Contact

🏠 **Valencia, España**

✉ **manuel.pasieka@protonmail.ch**

○ **github.com/mapa17**

in **linkedin.com/in/manuelpasieka**

🏃 **movescount**

Skills

- Software Development
- Machine Learning
- Data Analysis
- Problem Solving

Languages

- German
- Spanish
- Python
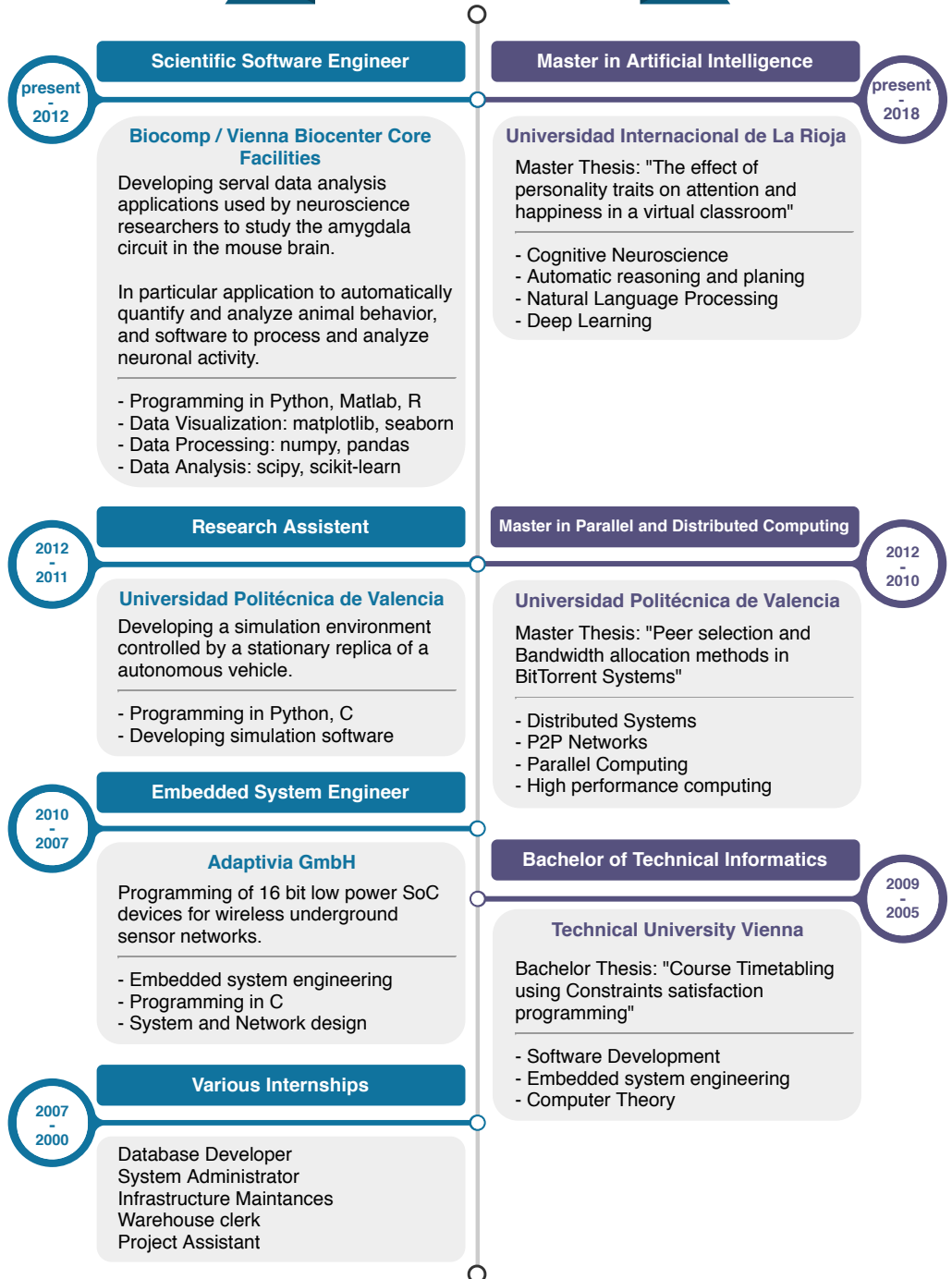- English

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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

Scientific Software Engineer

present - 2012

Biocomp / Vienna Biocenter Core Facilities

Developing serval data analysis applications used by neuroscience researchers to study the amygdala circuit in the mouse brain.

In particular application to automatically quantify and analyze animal behavior, and software to process and analyze neuronal activity.

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

Master in Artificial Intelligence

present - 2018

Universidad Internacional de La Rioja

Master Thesis: "The effect of personality traits on attention and happiness in a virtual classroom"

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

Research Assistent

2012 - 2011

Universidad Politécnica de Valencia

Developing a simulation environment controlled by a stationary replica of a autonomous vehicle.

- Programming in Python, C
- Developing simulation software

Master in Parallel and Distributed Computing

2012 - 2010

Universidad Politécnica de Valencia

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

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

Embedded System Engineer

2010 - 2007

Adaptivia GmbH

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

- Embedded system engineering
- Programming in C
- System and Network design

Bachelor of Technical Informatics

2009 - 2005

Technical University Vienna

Bachelor Thesis: "Course Timetabling using Constraints satisfaction programming"

- Software Development
- Embedded system engineering
- Computer Theory

Various Internships

2007 - 2000

Database Developer
System Administrator
Infrastructure Maintances
Warehouse clerk
Project Assistant

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*.