Manuel Pasieka



Contact



Vienna, Austria



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github.com/mapa17



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Garmin-connect

Skills

Software Development

Machine Learning

Data Analysis

Problem Solving

Languages

Spanish Python
English

Software Development & Data Science & Practical ML

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

Master in Artificial Intelligence

2019

2012

2010

2009

2005

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

2010

2007

2000

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

- System and Netwo

Various Internships

Database Developer System Administrator Infrastructure Maintenance

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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

Bachelor of Technical Informatics

Technical University Vienna

Bachelor Thesis: "Course Timetabling using Constraints satisfaction programming"

- Software Development
- Embedded system engineering
- Computer Theory

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', Molecular Psychiatry.