Manuel Pasieka

Software Development & Data Science & Practical ML

Let's apply the power of Machine Learning to build great products and services for a better future!

Vienna, Austria

25 June 1984

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github.com/mapa17

linkedin.com/in/manuelpasieka

Skills

Software Development

Python, R, Matlab, C (C#, CPP)

Machine Learning

Tensorflow, PyTorch, scikit-learn

Data Science

numpy, scipy, pandas
matplotlib, seaborn, plotly

Platforms & Technologies

Jenkins, Spark
Docker, Kubernetes
AWS, GCP

Current Position

Sensior Machine Learning Engineer

Mostly.ai

Building the worlds best synthetic data generation engine that protects privacy of invididual without sacrificing data quality.

- Researching and developing product improvements
- Customer support and training during PoC's
- Development of internal tools for dataset management and experiment automatization
- Training and supervision of junior data scientists

2020 - 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

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

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

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 - 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

2009 - 2005

Bachelor in Computer Science

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', *MolecularPsychiatry*.