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

Sensior Machine Learning Engineer

2020 - present

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 - 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

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 - 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

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

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*.