Manuel Pasieka

Machine Learning & Software Development Expert

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

Contact

Valencia, España

manuel.pasieka@protonmail.ch

github.com/mapa17

linkedin.com/in/manuelpasieka

Skills

- Software Development
- Machine Learning
- Data Analysis

Languages

German, Spanish, Python, English

References

Dr. Attila Gyenesei
Head of Bioinformatics & Scientific Computing (VBCF)

Dr. Wulf Haubensak
Group Leader, Institute of Molecular Pathology (IMP)

Dr. Leopoldo Armesto
Lecturer at Universitat Politècnica de València (UPV)

Experience & Education

Scientific Software Engineer
current - 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 with numpy, pandas

Master in Artificial Intelligence
current - 2018

Universidad Internacional de La Rioja

Master Thesis: Not defined yet

- 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 - 2011

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*.

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*.

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*.