Manuel Pasieka



Contact



Valencia, España



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github.com/mapa17



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Skills

Software Development

Machine Learning

Data Analysis

Languages



References



Dr. Attila Gyenesei

Head of Bioinformatics & Scientific Computing (VBCF)



Dr. Wulf Haubensak

Group Leader, Institute of Molecular Pathology



Dr. Leopoldo Armesto

Lecturer at Universitat Politècnica de València

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).

Experience & Education

0

2012

2011

2010

2000

Scientific Software Engineer

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

Universidad Politécnica de Valencia

Developing a simulation environment

controlled by a stationary replica of a

Master in Artificial Intelligence

2018 Universidad Internacional de La Rioja

Master Thesis: Not defined yet

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

Research Assistent 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

Embedded System Engineer

autonomous vehicle.

- Programming in Python, C

- Developing simulation software

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

2012

2011

Technical University Vienna Bachelor Thesis: "Course Timetabling

using Constraints satisfaction programming"

- Software Development
- Embedded system engineering
- Computer Theory

Various Internships

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', *Molecular Psychiatry*.



Dr. Johannes Griessner , Manuel Pasieka , Mr. Vincent Boehm , Mr. Florian Grössl , Mrs. Joanna Kaczanowska , Dr. Pinelopi Pliota , Mr. Dominic Kargl, et al and Haubensak, W. (2018) Central amygdala circuit dynamics underlying the benzodiazepine anxiolytic effect', Molecular Psychiatry.

