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

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

Research Assistent

Universidad Politécnica de Valencia

Developing a simulation environment

controlled by a stationary replica of a

- Developing simulation software

Master in Artificial Intelligence

oresen 2018 Universidad Internacional de La Rioja

2012

2011

2009

2005

Master Thesis: Not defined yet

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

Master in Parallel and Distributed Computing

Universidad Politécnica de Valencia Master Thesis: "Peer selection and Bandwidth allocation methods in

- Programming in Python, C - Distributed Systems
 - P2P Networks
 - Parallel Computing

BitTorrent Systems"

- High performance computing

Embedded System Engineer

2010

2000

2011

Adaptivia GmbH

Programming of 16 bit low power SoC devices for wireless underground sensor networks.

- Embedded system engineering
- Programming in C

autonomous vehicle.

- System and Network design

Bachelor of Technical Informatics

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', *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.