

Darjan Salaj

salaj.au@gmail.com | +43650 6826878
Lagergasse 35A, 8020 Graz

EDUCATION

**PHD STUDENT IN
COMPUTATIONAL NEUROSCIENCE**
Prof. Wolfgang Maass group
since 2018

**MSC IN COMPUTER SCIENCE
WITH DISTINCTION**
Graz University of Technology
Apr 2017

BSC IN COMPUTER SCIENCE
Graz University of Technology
Sep 2015

LINKS

Github: github.com/dsalaj
Website: dsalaj.com

SKILLS

MACHINE LEARNING

libraries:

Tensorflow • NEST
Numpy • Matplotlib

languages:

Python • C++

WEB

technologies:

Django • PostgreSQL • NodeJS
LESS • handlebars • JQuery

languages:

Python • JavaScript

VISUAL

Photoshop • Illustrator
Gimp • InkScape • \LaTeX

COMMUNICATION

ENGLISH

fluent

GERMAN

advanced

Bosnian-Croatian-Montenegrin-Serbian
fluent

PUBLICATIONS

"Long short-term memory and learning-to-learn in networks of spiking neurons"
G. Bellec, D. Salaj, A. Subramoney, R. Legenstein, W. Maass; submitted to NIPS 2018

EXPERIENCE

PHD RESEARCH | DEEP LEARNING & COMPUTATIONAL NEUROSCIENCE
2018-now | Graz, AT | TUGraz IGI

- Research in the domain of artificial and spiking neural networks

MASTER THESIS | WORKING MEMORY IN SPIKING NEURAL NETWORKS
2017-2018 | Graz, AT | TUGraz IGI

- Master thesis "Spike-based LSTM-like Modules in Neural Networks" under supervision of Prof. Wolfgang Maass and Prof. Robert Legenstein
- Tensorflow

MASTER PROJECT | LEARNING TO LEARN FRAMEWORK
2017 | Graz, AT | TUGraz IGI

- Contributing to LTL metalearning framework of IGI institute based on pypet.
- Implemented test functions optimizee and optimizee based on SPORE module for NEST.
- <https://github.com/IGITUGraz/LTL>

MYTHING.COM | FULL-STACK WEB DEVELOPMENT
2015-2018 | Graz, AT

- 3D printing web platform
- Django, PostgreSQL, Docker, Celery, Jenkins, AWS

TUTORING | UNDERGRADUATE CLASSES
2014-2015 | Graz, AT | TUGraz ISDS

- Tutoring for classes Internet and New Media (2014/15 WS) and Human-Computer Interaction (2015 SS, 2016 SS) under the supervision of Prof. Keith Andrews.

POCKET CODE | WEB DEVELOPMENT
2014-2015 | Graz, AT | TUGraz IST

- Taking part in Catrobat project (developer.catrobat.org) as a designer and web developer, under supervision of Prof. Wolfgang Slany.

WINNING.AT | WEB DEVELOPMENT
2012-2013 | Graz, AT

- Web development using: handlebars, LESS, NodeJS and SQL.

OTHER

2017 UX Days organizer (with prof. Keith Andrews) uxdaygraz2017.isds.tugraz.at
2015 UX Days organizer (with prof. Keith Andrews) uxdaygraz2015.isds.tugraz.at