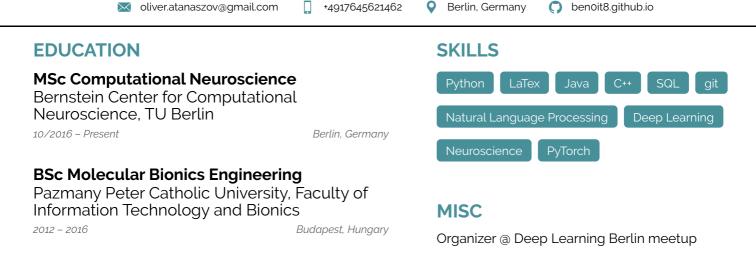


# Oliver Atanaszov

My background is in engineering and neuroscience with a strong interest in machine learning. Besides my studies I have 2+ years of work experience as a student data scientist. I hope to dive into research on explainability and interpretability of neural networks in the future with potential applications in the field of healthcare. What matters most to me is to work on impactful ideas that can be beneficial for our society.



# WORK EXPERIENCE

# Data Science Student

01/2017 – Present Berlin, Germany Prototyping and delivering NLP models, working with large-scale datasets, developing internal Python solutions.

# **Student Researcher**

### Berlin Center for Advanced Neuroimaging

10/2018 - 01/2019Berlin, GermanyStudied applicability of transfer learning to MRI data, aiming to alleviate<br/>the data hungry nature of Deep Learning methods.

### Student Researcher BrainSigns / Sapienza University of Rome

03/2018 – 05/2018 Rome, Italy Compared traditional methods to decode workload from EEG in operational environment to end-to-end deep learning approaches. Showed that a well-designed convolutional neural network can learn to decode mental states efficiently without the need for feature engineering.

## Bachelor Thesis Student Institute of Experimental Medicine, Hungarian Academy of Sciences

02/2015 – 02/2016 Budapest, Hungary Worked on thesis titled "Bayesian decoding of the activity of hippocampal place cells". Used Bayesian inference and a Hidden Markov Model to predict the rats location in a maze based on hippocampal place cell activity.

# LANGUAGES

Hungarian

English

# **INTERESTS**

Computational Neuroscience Machine Learning
Natural Language Processing Neuroimaging

Healthcare