



## David Peer

### PhD Student

I'm a Ph.D. student in the Intelligent and Interactive System group at the Universität Innsbruck (Austria) under the supervision of Antonio Rodriguez-Sanchez and I'm working at DeepOpinion as a machine learning researcher. I obtained the degree of M.Sc and B.Sc in Computer Science at the Universität Innsbruck (Austria) and study currently the gap between expressivity and learnability of neural networks. At DeepOpinion I study how we can transform this knowledge into novel AutoML or Neural Architecture Search (NAS) algorithms for Natural language processing (NLP) models to outperform current SOTA methods.

[Google Scholar](#) [GitHub](#) [Twitter](#)

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### Areas of Interest

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My main interest is to improve state-of-the art results in machine-learning by understanding the gap between expressivity and learnability of neural networks that seems to be huge. Here is a list of the publications in this research direction where I'm first- or co-author where we used different theoretically motivated algorithms to improve SOTA: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#) [8](#)

### Positions

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01.2020 - Today | Machine Learning Researcher at DeepOpinion  
09.2019 - 12.2020 | Researcher at University of Innsbruck (IIS group)  
02.2019 - 09.2019 | Researcher at University of Innsbruck (DPS group)  
04.2012 - 08.2018 | Software Developer at World-Direct eBusiness Solutions

06.2010 - 04.2012 | Embedded Software Developer at Heliotherm

## Education

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2019 - Today | PhD Computer Science, University of Innsbruck

2017 - 2019 | MSc Computer Science, University of Innsbruck

2014 - 2017 | BSc Computer Science, University of Innsbruck

2005 - 2010 | HTL Elektronik, Innsbruck

## Certifications

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- Microsoft Certified Solutions Developer - App Builder
- Microsoft Certified Solutions Developer - Web Applications
- OMG Certified UML Professional

## Publications

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See [Google Scholar](#)

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Last update: **2021/12/03 07:22**

