

Assistant (Student)

# Working Student Position Machine Learning and Artificial Intelligence

Machine Learning (ML) and Artificial Intelligence (AI) are also a current hype in networking research. Within, the applications of ML and AI range from data center network optimization to anomaly detection in campus and enterprise networks. As we are currently conducting a lot of research in this area of application of ML/AI, we are always looking for students willing and able to support us. So, if you are interested in ML/AI and its application to networking, please contact us.

We offer you:

- Possibility to extend your skills in ML/AI, programming and networking
- Possibility to become (Co)-author of publications already before graduating
- Access to compute cluster and data center-like networking environments

We need:

- A student with good programming skills in Python and C++

- Basic knowledge in data science
- Basic understanding of networking: TCP/IP, UDP, BGP, RIP, FatTree Topologies, ...
- Basic knowledge in algorithms and optimization: search, sort, mathematical problem formulation, ...
- Basic skills in Linux and server administration

## Prerequisites

Python, C++, Data Science, Basic Networking

## Advisors

Andreas Blenk, Patrick Krämer