Andreas **Peintner, M.Sc.**

Education

Today – October 2021 | PhD Candidate, University of Innsbruck, Computer Science
- **Advisor** : Eva Zangerle, PhD
- **Thesis** : *Sequential Recommender Systems : A Graph-based Perspective*

2021 – 2018 | Master of Science, University of Innsbruck, Computer Science
- **Advisor** : Eva Zangerle, PhD
- **Thesis** : *Acceleration and Compression of Deep Click-Through Rate Prediction Models*

2018 – 2015 | Bachelor of Science, University of Innsbruck, Computer Science
- **Advisor** : Clemens Sauerwein, PhD
- **Thesis** : *Lowering the Barrier of Cyber Attacks through Information Shared on Security Experts Forums*

Work Experience

Today – October 2021 | Assistant Teacher, University of Innsbruck, Department of Computer Science
- Classes : Database Systems, Machine Learning
- Tasks : Graded and assisted students with homework, projects, and presentations

July 2021 – April 2021 | Data Science Internship, Mars, Verden/Germany
- Instance segmentation with deep learning
- Web application development to interact with deployed models
- 1st place at the internal Hackathon for predicting pet age

Python | PyTorch | OpenCV | LightGBM | Azure

March 2021 – February 2019 | Software Developer, Speed U Up, Innsbruck/Austria
- Voice assistant applications (Alexa Skills & Google Actions), NLP
- Web development with HTML, CSS, Javascript
- iOS app development with Swift

Alexa SDK | Google Action SDK | AWS | Node.js | Swift

Honors and Awards

2019 **1st place award** at the *EUREGIO Image Forensic Challenge* 2019. Organized by *mmlab* (University of Trentino) and *Privacy and Security Lab* (University of Innsbruck).
Using a modified ResNet-18 model architecture in Python with Tensorflow.

Workshops and Certifications

2018 **FZ HPC Training Course** : High Performance Programming with OpenMP.
2021 **Harvard Innovation Labs** : Accepted into the Spring Venture Program as part of the Build It track.

Selected Publications

2022 Andreas Peintner, Marta Moscati, Emilia Parada-Cabaleiro, Markus Schedl and Eva Zangerle (2022). *Unsupervised Graph Embeddings for Session-based Recommendation with Item Features.* In CARS : Workshop on Context-Aware Recommender Systems (RecSys '22).

2020 Leo Benning, Andreas Peintner, Günter Finkenzeller and Lukas Peintner (2020). *Automated spheroid generation, drug application and efficacy screening using a deep learning classification : a feasibility study.* Scientific Reports, 10(1), 1-11.