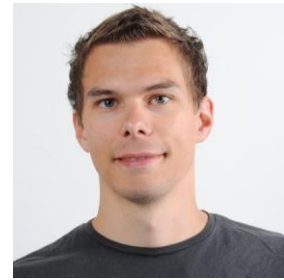


# Curriculum Vitae



## Personal information

Name **Oliver Eigner**  
Date of birth 01<sup>st</sup> October 1991  
Nationality Austria  
Driving License B

## Linguistic proficiency

German - native language  
English - fluent

## Work experience

2008 - 2011 **Misc. Internships**  
IT department

07/2013 – 09/2013 **Compulsory Internship ITSV GmbH**  
Network Security Management

since 2015 **University of Applied Sciences St. Pölten, Institute of IT Security Research**  
Junior Researcher, Department of Computer Science and Security  
Projects:  
Cyber-physical System (CPS)-Security  
Model-based System Integration of CPS  
Kryptografie für kabellose Kommunikation

since 03/2016 **Self-Employment**  
Services in automatic data processing and information technology

## Education and training

2006 - 2011 Higher Technical School for Information and Network Technologies  
Ybbs a. d. Donau, graduation in June 2011

2011 - 2014 St. Pölten University of Applied Sciences, BSc IT Security

2014 - 2016 St. Pölten University of Applied Sciences, Master Information Security

## Further Education and Certifications

**Best Paper Award “Detection of Man-in-the-Middle Attacks on Industrial Control Networks”**  
2<sup>nd</sup> International Conference on Software Security and Assurance (ICSSA 2016),

ITILv3 Foundation Examination  
Cisco Certified Network Associate

## Teaching Experience

SS2018	Undergraduate Course “Programming 3 (Python)”
SS2017	Graduate Course “Theoretische Grundlagen der Informationssicherheit (Data Mining and Pattern Recognition)”
WS2016/WS2017	Undergraduate Course “Fundamentals of IT Security in Production”
WS2017	Graduate Course “Privacy and Big Data”

## Experience and Skills

Information security knowledge in areas such as:

Application and Network security, Security Standards and Auditing, Physical Security, Industrial Control System Security, SCADA Security, Cryptography

Professional IT network skills (CCNP equivalent)

Professional IT skills/server administration (Windows, Unix-like)

Database management (Oracle/SQL basics) and software engineering

Coding (C/C++, C#, Unix Shell Script, Java, Python)

Industrial control system security, PLC programming

Teamwork experience

Knowledge of business and IT-related law

Practiced in scientific methods:

**1<sup>st</sup> Bachelor thesis:** State of the art of Password Security and Password Cracking

**2<sup>nd</sup> Bachelor thesis:** Remote Access Tools - Security analysis and comparison of current remote access tools

**Master thesis:** Attacks on Industrial Control Systems and Countermeasures

## Publications

Eigner, Oliver, Philipp Kreimel, and Paul Tavalato. "Detection of man-in-the-middle attacks on industrial control networks." *2016 International Conference on Software Security and Assurance (ICSSA)*, IEEE, 2016.

Kreimel, Philipp, Oliver Eigner, and Paul Tavalato. "Anomaly-Based Detection and Classification of Attacks in Cyber-Physical Systems." *Proceedings of the 12th International Conference on Availability, Reliability and Security*. ACM, 2017.

Eigner O., Kreimel P. and Tavalato P. (2018). "Attacks on Industrial Control Systems - Modeling and Anomaly Detection". In *Proceedings of the 4th International Conference on Information Systems Security and Privacy - Volume 1: ForSE*, ISBN 978-989-758-282-0, pages 581-588. DOI: 10.5220/0006755405810588