Curriculum Vitae

Personal information

Name	**Oliver Eigner**
Date of birth	01st 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"

2nd 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:

1st Bachelor thesis: State of the art of Password Security and Password Cracking

2nd 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 Tavolato. "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 Tavolato. "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 Tavolato 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