

Mikhail Smolin

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IT Consultant. Software Developer. Machine Learning. Automotive.

Machine „dompteur“ with an M.Sc. degree in Computer Science from Stuttgart Media University and a background in **web development**, **machine learning** and **automotive electronics**. I am excited about data products - ranging from Web applications to **ML** and up to **UX** design.

EDUCATION

03/2014 - 08/2016

Stuttgart Media University

M.Sc. Ø 1.3

Thesis (1.0): »Anomaly-based intrusion detection for automotive networks« Using in-vehicle network recordings of a modern sedan, a **neural network** is trained in order to detect malicious **CAN** packet injection as anomalous behavior deviating from the learned vehicle state.

09/2015 - 02/2016

Glasgow University

Studying one period in Scotland (Erasmus grant) at the University of Glasgow. I successfully attended courses in data mining, ethics for IT professionals, cyber security and intermediate English. I would like to mention the intensive group work on two Software projects. The first project was about developing and implementing a **VR** first-person game in **C++** using the Unreal Engine. The goal of the second project was to build a diagnostics instrument from **OBD-II** data in **Java** and **MATLAB**. The time in Scotland was a great opportunity to collect experiences in an international context.

EXPERIENCE

In progress ...

VOLUNTARY EXPERIENCE

In progress ...

INTERESTS

- Web development
- Data visualization
- Machine learning
- Automotive networks
- UX design
- Behavioral science
- Jogging
- Table tennis

REFERENCES

Michel Zedler, Senior Consultant at EXXETA (michel.zedler@exxeta.com)

is my boss at EXXETA.

Dr. Walther Kriha, Professor for distributed and ultra large scale systems at Stuttgart Media University (kriha@hdm-stuttgart.de)

was my supervisor during my Master's thesis.