

# Karl Lorey

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## EDUCATION

### KIT

#### MSC IN COMPUTER SCIENCE

Exp. Nov 2017 | Karlsruhe, Germany  
focus: Information Systems, Software Engineering  
minor: Economics, i.e. Entrepreneurship

### UNIVERSITY OF WÜRZBURG

#### BSC IN COMPUTER SCIENCE

Grad. Sep 2013 | Würzburg, Germany  
focus: Information Systems  
minor: Economics  
with distinction

### GYMNASIUM WEIKERSHEIM

#### ABITUR

Grad. June 2009 | Weikersheim, Germany  
with distinction

## LINKS

Github:// [lore](#)  
LinkedIn:// [Karl Lorey](#)  
Twitter:// [@karllorey](#)  
StackOverflow:// [lore](#)

## SKILLS

### PROGRAMMING

Experienced:

PHP • SQL • Python

Intermediate:

Java • HTML + CSS

Familiar:

LaTeX • R • Shell • XSLT • JavaScript

### TECHNOLOGY

scikit-learn • Pandas • Laravel • Postgres

• PostGIS • GIT • Unix • Apache •

KNIME • SPSS • Analytics • Excel • LDAP

### OTHER

Entrepreneurship • Software Engineering  
• Clean Code • Web Development • Data Mining • Web Crawling • Geospatial Data  
• Social Network Analysis • Secure Storage (Database Encryption) • Quantified Self

## EXPERIENCE

### GERMAN IT JOBS | Co-FOUNDER

Mar 2016 - Present | Stuttgart, Germany

- provided companies with well-skilled IT professionals from abroad.
- built a platform and a job board allowing techies to apply for jobs in Germany
- applied Machine Learning to implement a scalable screening process.

### PIONIERGARAGE | CHAIRMAN

July 2015 – Feb 2016 | Karlsruhe, Germany

- was elected chairman of Germany's biggest student club for entrepreneurship
- lead a board of six members and the club with around 100 members
- hosted events, managed public relations as well as contact with alumni

### PROGRAMMERMAP.COM | FOUNDER

Jan 2015 – present | Karlsruhe, Germany

- created and operated a site that shows a ranking of the best programmers for various locations worldwide with a four figure number of daily visitors.

### KIT: IMK-ASF | RESEARCH ASSISTANT

Nov 2014 – Apr 2015 | Karlsruhe, Germany

- conducted research on flight data to find influencing factors on airplane vibrations via Data Mining techniques using SPSS and KNIME

## RESEARCH

### CHAIR PROF. BÖHM, IPD, KIT | RESEARCH ASSISTANT

May 2015 – Jun 2016 | Karlsruhe Institute of Technology, Germany

Created a Secure Storage mechanism that resides inside the Database Abstraction Layer. Presented results at CAiSE in Ljubljana, Slovenia. [1]

### CHAIR PROF. TRAN-GIA | RESEARCH ASSISTANT

Mar 2013 – Jun 2014 | University of Würzburg, Germany

Planned, created, and implemented a framework to measure subjective influence in online social networks. [2], [3]

## AWARDS

2016	award	Award for Student Commitment (KIT)
2016	3 <sup>rd</sup>	Hack.Stuttgart hackathon by Daimler
2016	honoring	Honoring by KIT's president (Ehrenabend des Präsidenten)
2016	3 <sup>rd</sup>	3 Day Startup competition at WHU
2015	1 <sup>st</sup>	codeFEST <sup>8</sup> hackathon by Volkswagen (DACH)

## PUBLICATIONS

- [1] K. Lorey, E. Buchmann, and K. Böhm. TEAL: transparent encryption for the database abstraction layer. In *Proceedings of the CAiSE'16 Forum, at the 28th International Conference on Advanced Information Systems Engineering (CAiSE 2016)*, Ljubljana, Slovenia, June 13-17, 2016., pages 145–152, 2016.
- [2] M. Seufert, V. Burger, K. Lorey, A. Seith, F. Loh, and P. Tran-Gia. Assessment of subjective influence and trust with an online social network game. *Computers in Human Behavior*, 64:233–246, 2016.
- [3] M. Seufert, K. Lorey, M. Hirth, and T. Hoßfeld. Gamification framework for personalized surveys on relationships in online social networks. In *Proceedings of the 2013 IEEE/ACM 6th International Conference on Utility and Cloud Computing*, pages 482–487. IEEE Computer Society, 2013.