# Karl Lorey

karllorey.com

git@karllorey.com | +49 178 1665514 | Karlsruhe, Germany

## EDUCATION

### KIT
MSc in Computer Science
Exp. Feb 2016 | Karlsruhe, Germany
focus: Information Systems, Software Engineering
minor: Economics, i.e. Entrepreneurship

### UNIVERSITY OF WÜRZBURG
BSc in Computer Science
Grad. Sep 2013 | Würzburg, Germany
with distinction
minor: Economics

### GYMNASIUM WEIKERSHEIM
Abitur
Grad. June 2009 | Weikersheim, Germany
with distinction

## LINKS

Github:// **lorey**
LinkedIn:// **Karl Lorey**
Twitter:// **@karllorey**
StackOverflow:// **lorey**

## SKILLS

### PROGRAMMING
Experienced:
PHP • SQL
Intermediate:
Java • Python • HTML • CSS • JavaScript
Familiar:
LaTeX • R • Shell • XSLT

### TECHNOLOGY
Laravel • Postgres • PostGIS • GIT • Linux • Apache • KNIME • SPSS • Analytics • Excel • LDAP

### OTHER
Entrepreneurship • Software Engineering • Web Development • Data Mining • Web Crawling • Geospatial Data • Social Network Analysis • Secure Storage (Database Encryption)

## EXPERIENCE

### GERMAN IT JOBS | Co-Founder
Mar 2016 - Present | Stuttgart, Germany
- help foreign IT professionals to find a job in Germany
- provide companies with well-skilled and suiting professionals
- built a platform and a job board allowing techies to apply for jobs in Germany

### PIONIERGARAGE | Chairman
July 2015 – Feb 2016 | Karlsruhe, Germany
- was elected chairman of Germany's biggest student club for entrepreurship
- lead a board of six members and the club with around 100 members
- hosted events, managed public relations as well as contact with the alumni

### KIT: IMK-ASF | Research Assisstant
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

### KURSVERWALTUNG ONLINE | Founder
Oct 2014 – present | Karlsruhe, Germany
- created and operated a SaaS platform for online course enrollment and enrollment administration

## RESEARCH

### CHAIR PROF. BÖHM, IPD, KIT | Research Assisstant
May 2015 – Jun 2016 | Karlsruhe Institute of Technology, Germany
Created a Secure Storage mechaism 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 | 3rd | Hack.Stuttgart hackathon by Daimler |
| 2016 | honoring | Honoring by KIT's president (Ehrenabend des Präsidenten) |
| 2016 | 3rd | 3 Day Startup competition at WHU |
| 2015 | 1st | codeFEST[8] 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.