

# curriculum vitae

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## research

### Karlsruhe Institute of Technology

Aug 2019 – now

Ph.D. student in the research group Web Science at the Institute of Applied Informatics and Formal Description Methods under Prof. Dr. York Sure-Vetter and Dr. Michael Färber. Research on scholarly data mining.

### National Institute of Informatics, Japan

Oct 2017 – Jul 2018

Internship program for Ph.D. and master students. Research on image retrieval and discovery for digitized cultural heritage using IIIF, supervised by Dr. Asanobu Kitamoto. Continued involvement in projects beyond duration of the internship.

## Publications

Tarek Saier, Michael Färber. "*unarXive: A Large Scholarly Data Set with Publications' Full-Text, Annotated In-Text Citations, and Links to Metadata*", Scientometrics, 2020.

Tarek Saier, Michael Färber. "*Semantic Modelling of Citation Contexts for Context-aware Citation Recommendation*", European Conference on Information Retrieval, ECIR, 2020.

Tarek Saier, Michael Färber. "*Bibliometric-Enhanced arXiv: A Data Set for Paper-Based and Citation-Based Tasks*", 8th International Workshop on Bibliometric-enhanced Information Retrieval, BIR, 2019.

Asanobu Kitamoto, Jun Homma, Tarek Saier, "*IIIF Curation Platform: Next Generation IIIF Open Platform Supporting User-Driven Image Sharing*", IPSJ SIG Computers and the Humanities Symposium 2018 (in Japanese).

## **education**

### **University of Freiburg**

Sep 2014 – May 2019

Graduate studies in computer science with a focus on information retrieval, linked data, data analysis, natural language processing, machine learning. Elective lectures in psychology. Master project *Content-based recommender system using linked data and structured tags*. Master's thesis on *Semantic approaches to citation recommendation* under Prof. Dr. Georg Lausen, supervised by Dr. Michael Färber.

[ Grade average: 1.5 / Thesis: 1.0 / Awarded degree: M.Sc. ]

### **Matsuyama University, Japan**

Sep 2015 – Sep 2016

Japanese language classes for exchange students. Graduate course lectures in intercultural communication and linguistics.

[ Grade average: 89/100 ]

### **Hochschule Furtwangen**

Sep 2010 – Aug 2014

Undergraduate studies in computer networking with a focus on IT security. Additional lectures in Japanese, English and psychology. Bachelor thesis on *Mobile application security auditing* under Prof. Dr. Dirk Westhoff, supervised by Felix Preussner.

[ Grade average: 1.7 / Thesis: 1.0 / Awarded degree: B.Sc. ]

## **industry experience**

### **University of Freiburg Language Teaching Centre**

Jul 2017 – Aug 2017 & Jul 2018 – Sep 2018

Part-time job. Student tutor assisting participants of four week intensive language courses in organisational matters and extracurricular activities.

### **geOps e.K.**

Apr 2017 – Aug 2017

Part-time job. Software development in the field of geoinformatics. Mainly in Python and JavaScript.

### **Schutzwert GmbH**

Sep 2012 – Mar 2013

Internship. Developing tools for and supporting IT security audits. Training course *Security of web applications from an attackers perspective*.

## **languages**

### **German**

Native

### **English**

Advanced – IELTS Academic score 8.0 (2014)

### **Japanese**

Advanced – Japanese Language Proficiency Test N1 (2018)

Kanji Kentei level 4 (2019)

## **technical skills**

### **Operating systems**

Linux based

### **Programming**

Python (Jupyter, Pandas, Flask, Jinja2), JavaScript (D3.js), Java, PHP, C

### **Miscellaneous**

Docker, Git, LaTeX, HTML, CSS, SPARQL, SQL, Firebase (Auth)

### **Software**

Inkscape, GIMP, Burp Suite

## **further interests**

### **Technical**

Free and open-source software, i18n/l10n, data visualization.

### **Non technical**

Language learning, gymnastics, tabletop games, intercultural exchange, sharing economy, speedcubing.