

Josua Krause

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Personal Information

date of birth: January 18th, 1988
place of birth: Isny im Allgäu
marital status: single
nationality: Germany

Education

University, NYU Polytechnic School of Engineering

New York, USA – 2013 - (planned) 2019
PhD in Computer Science
thesis: “Visual Analytics in Predictive Modeling of Medical Data”
supervised by: Assist. Prof. Dr. Enrico Bertini

University, University of Konstanz

Konstanz, Germany – 2011 - 2014
Master of Science in Computer Science
thesis: “Graph Comics: Interactive Staging for Exploring Dynamic Graphs”
supervised by: Prof. Dr. Oliver Deussen, Assist. Prof. Dr. Enrico Bertini

University, University of Konstanz

Konstanz, Germany – 2008 - 2011
Bachelor of Science in Information Engineering
grade: good
thesis: “Annotation of Changes in Evolving Graphs”
supervised by: Prof. Dr. Oliver Deussen, Prof. Dr. Ulrik Brandes

Secondary School, Gymnasium Lindenberg

Lindenberg, Germany – 1999 - 2007

Abitur (A levels)

grade: 2.5 (1 – best ... 5 – worst)

Employments

IBM T. J. Watson Research Center

New York, USA – 2014

summer internship

NYU Polytechnic School of Engineering

New York, USA – 2013 - (planned) 2019

research assistant

University of Konstanz

Konstanz, Germany – 2009 - 2013

research assistant

University of Konstanz

Konstanz, Germany – 2011 - 2012

teaching assistant in courses:

- Concepts of Computer Science (Bachelor)
- Concepts of Programming (Bachelor)

Stephanuswerk Isny

Isny im Allgäu, Germany – 2007 - 2008

civilian service

Research

2014

Josua Krause, Adam Perer, and Enrico Bertini: **“INFUSE: Interactive Feature Selection for Predictive Modeling of High Dimensional Data”**,

IEEE Transactions on Visualization and Computer Graphics (TVCG – VAST), 2014

2012

Josua Krause, Marc Spicker, Leonard Wörteler, Matthias Schäfer, Leishi Zhang, and Hendrik Strobel: **“Interactive Visualization for Real-time Public Transport Journey Planning”**,

Proceedings of SIGRAD 2012 – Interactive Visual Analysis of Data, pp. 95-98, 2012

2009

H. Strobel, D. Oelke, C. Rohrdantz, A. Stoffel, O. Deussen, D. Keim:

“Document Cards: A Top Trumps Visualization for Documents”,

IEEE Transactions on Visualization and Computer Graphics (TVCG – InfoVis), 2009
(mentioned)

Personal Skills, Competencies

Language skills

German (mother tongue), English (fluently) French (basic skills)

Research interests

Information Visualization, Visual Analytics, Predictive Modeling, Computer Graphics, Human-Computer Interaction, Graph Drawing

Programming Skills

Java, C++ (Qt), Haskell, JavaScript (d3, jquery), Python, Prolog, XQuery

Voluntary Services

Student association at University of Konstanz (2008 - 2013)