

# Paul Klemm

## Curriculum Vitae

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*I would be happy to send you a complete CV via email.*

### Personal Information

Birthday 12.05.1986 in Schmöln  
Nationality German

### Experience

02/2012– **Research assistant and PhD student**, *Otto-v.-Guericke University Magdeburg*,  
Heute Development of visual analysis methods for population study data with focus on  
hypothesis generation.  
Supervisor: Bernhard Preim ([bernhard@isg.cs.uni-magdeburg.de](mailto:bernhard@isg.cs.uni-magdeburg.de))  
03/2009– **Scientific Assistant**, *Fraunhofer Institute for Factory Operation and Automation*,  
09/2010 Development of applications for tracking of material flows in warehouse areas.  
Supervisor: Martin Kirch ([martin.kirch@iff.fraunhofer.de](mailto:martin.kirch@iff.fraunhofer.de))

### Education

10/2010– **Master of Science in Computational Visualistics**, *Otto-v.-Guericke University*  
01/2012 *Magdeburg*, Faculty of Computer Science.  
Final grad 1.8  
Thesis *Interactive 3D and graph visualization of protein clusters in Toponome data* (grade:  
1.4)  
Supervisors Bernhard Preim, Walter Schubert  
  
10/2005– **Bachelor of Science in Computational Visualistics**, *Otto-v.-Guericke University*  
09/2010 *Magdeburg*, Faculty of Computer Science.  
Final grade 2.5  
Thesis *Near real-time visualization of molecular networks (Toponomes) in tissues and cells*  
(grade: 1.3)  
Supervisors Bernhard Preim, Walter Schubert  
  
06/2004– **General Military Service**, *Engineer casern Gera*.  
03/2005

1996–2004 **German secondary school**, *Roman Herzog Gymnasium Schmölln*, Major in German und English.

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## Important Publications

- TVCG (Journal) Paul Klemm, Kai Lawonn, Sylvia Glaßer, Uli Niemann, Katrin Hegenscheid, Henry Völzke, and Bernhard Preim. 3D Regression Heat Map Analysis of Population Study Data. *IEEE Trans. on Visualization and Computer Graphics*, to appear, 2015. Presented at VAST'15 in Chicago.
- TVCG (Journal) Paul Klemm, Steffen Oeltze-Jafra, Kai Lawonn, Katrin Hegenscheid, Henry Völzke, and Bernhard Preim. Interactive Visual Analysis of Image-Centric Cohort Study Data. *IEEE Trans. on Visualization and Computer Graphics*, 20(12):1673-1682, 2014. Presented at VAST'14 in Paris.
- VMV Paul Klemm, Kai Lawonn, Marko Rak, Bernhard Preim, Klaus D. Tönnies, Katrin Hegenscheid, Henry Völzke, and Steffen Oeltze. Visualization and Analysis of Lumbar Spine Canal Variability in Cohort Study Data. In *Proc. of the Vision, Modeling, and Visualization Workshop*, pages 121-128, 2013. Presented at VMV'13 in Lugano.

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## Programming Skills

- Expert Javascript, HTML5/CSS3, R, C#, LaTeX
- Advanced Python, Java
- Basic C++/C, Matlab

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## Further Informationen

- Languages German: mother tongue  
English: fluent
- Interests Spokesman for local Amnesty International group, guitar, fitness