

CURRICULUM VITAE

Gernot Christian WALZL, Ph.D.

Grimmgasse 14

8020 Graz

Austria

gernot.walzl@gmx.at

<https://www.gernot-walzl.at/>

Date of birth: 1984-08-20

Place of birth: Wolfsberg, Austria

Religion: Lutheran A.B.



Professional Experience

EVK DI Kerschhagl GmbH

2020-07 – present **Head of Data Processing**
Functional and disciplinary leadership of the team *data processing*
Optimization of development procedures
Software development in C++

Infineon Technologies Austria AG

2019-06 – 2020-06 **Software Product Owner**
Stakeholder management
Requirements analysis
Scheduling and resource planning
Acceptance of implemented software components

EXIAS Medical GmbH

2017-10 – 2019-05 **Team Leader Software Development**
2016-02 – 2017-10 **Software Engineer**
Technical lead of the software development group
Coordination of suppliers and external resources
Software development for embedded Linux: C++, Qt 5, Shell, C
Process development based on Scrum and IEC 62304
Recruiting of software developers

Graz University of Technology

2011-07 – 2016-01 **Project Assistant**
At the Institute for Theoretical Computer Science
Research in the field of Computational Geometry
Implementation in C++, boost, OpenGL
Organizing workshops

Virtual Vehicle Research Center

2007-07 – 2009-01 **Software Developer**
Member of an interdisciplinary team
MASDA: Measurement- and Simulation Data Analysis
Developed as Eclipse RCP in Java

Schwing GmbH

2004 – 2010 **Software Developer**
During semester breaks, software projects under self-responsibility

- 2009 *ZeichnungsArchiv*: Archive of constructional drawings (Java)
- 2007 *ACLAnalyzer*: Inspect access control lists (Java)
- 2007 *Personaleinteilung*: Automated shift schedule (Java)

2006 – 2010 *anwesenheit*: Web interface for attendance recorder (PHP)

2006 – 2007 *EDVInv*: Inventory tool (Java)

2004 *QM-Hydraulikzylinder*: Testing bench for hydraulic cylinders
(Simatic S5, Visual Basic 6, Microsoft SQL)

w&p Transport GmbH

2005 Freight invoicing application (PHP, MySQL)

Education

2011-07 – 2016-01 **TU Graz**
Doctoral School of Computer Science
In the field of Computational Geometry

2008-02 – 2011-06 **TU Graz**
Master's degree in Information and Computer Engineering
Specialization: Algorithm Design
Modelling, Simulation and Control

2004-10 – 2008-02 **TU Graz**
Bachelor's degree in Information and Computer Engineering

1998-09 – 2003-06 **HTL Wolfsberg**
Mechanical Engineering

1990-09 – 1998-07 **Primary and secondary school in St. Stefan**

Trainings

2019-11 Automotive Functional Safety Professional (ISO 26262)
2017-09 Failure Mode and Effects Analysis (FMEA)
2017-07 Certified Scrum Master (software project management)
2017-01 Certified Scrum Product Owner

Hobbies

- Open source software
 - 2016 *sbopkg gui*: GUI for sbopkg, a package manager for Slackware Linux (Python, PyQt 4)
 - 2008 *Mat4J*: Matlab for Java (C, Matlab, Java)
- IT security
- Economy & finances
- Mountain biking

Miscellaneous

- Austrian armed forces: 2003-07 – 2004-02
- Driver's license for cars and trucks

Scientific Research

- [1] Franz Aurenhammer and Gernot Walzl. Straight skeletons and mitered offsets of nonconvex polytopes. *Discrete & Computational Geometry*, pages 1–59, 2016.
- [2] Gernot Walzl. *Straight Skeletons - From Plane to Space*. PhD thesis, Graz University of Technology, 2015.
- [3] Franz Aurenhammer and Gernot Walzl. Polytope Offsets and Straight Skeletons in 3D. In *Proc. 30th Annual Symposium on Computational Geometry SoCG'14*, Kyoto, 2014.
- [4] Franz Aurenhammer and Gernot Walzl. Structure and computation of straight skeletons in 3-space. In *Proc. 24th International Symposium on Algorithms and Computation ISAAC'13*, pages 44–54, Hong Kong, 2013.
- [5] Franz Aurenhammer and Gernot Walzl. Three-dimensional straight skeletons from bisector graphs. In *Proc. 5th International Conference on Analytic Number Theory and Spatial Tessellations*, Kiev, Ukraine, 2013.
- [6] Gernot Walzl. Stochastische Rekonstruktion der 3-dimensionalen Mikrostruktur von Lithium-Ionen-Zellen. Master's thesis, Graz University of Technology, 2011.
- [7] Gernot Walzl. Implementation of Hereditary Convex Structures. Technical report, Graz University of Technology, 2010. Implementation: http://gernot-walzl.at/About/Scientific_Research/hcs-20101013.tar.gz.
- [8] Peter Teufl, Udo Payer, Michael Amling, Martin Godec, Stefan Ruff, Gerhard Scheickl, and Gernot Walzl. InFeCT - Network Traffic Classification. In *Networking, 2008. ICN 2008. Seventh International Conference*, pages 439–444. IEEE, 04 2008.
- [9] Gernot Walzl. Klassifizierung mit Self-Organizing Maps. Technical report, Graz University of Technology, 01 2008. Implementation: http://gernot-walzl.at/About/Scientific_Research/iaik.som-20071108.tar.gz.