

# CURRICULUM VITAE

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Date of birth: 1984-08-20  
Place of birth: Wolfsberg, Austria  
Religion: Lutheran A.B.



## Professional Experience

### Austrian Health Insurance Fund (ÖGK)

2025-02 – present    **Head of Competence Center MVB**  
Subject Area: Software Development

### EVK DI Kerschhaggl GmbH

2020-07 – 2025-01    **Head of Data Processing**  
Functional and disciplinary leadership of the team *data processing*  
Optimization of development processes  
Requirements analysis and definition of work packages  
Scheduling and resource planning  
Offer preparation for customized software solutions  
Software architecture and development in C++  
**Developed Products**  
*ALPHA*: Real-time analysis of near-infrared spectra  
*Stream Supervisor*: Visualization of material streams

### Infineon Technologies Austria AG

2019-06 – 2020-06    **Software Product Owner**  
In the field of ToF sensors for 3D cameras  
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

### **Developed Products**

*e|1 Analyzer*: System software for in vitro diagnostics

## **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

Software development as Eclipse-based application in Java

### **Developed Products**

*MASDA*: Measurement- and Simulation Data Analysis

## **Schwing GmbH**

2004 – 2010 **Software Developer**

During semester breaks

Realization of software projects under self-responsibility

### **Developed Products**

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	<b>TU Graz</b> Doctoral School of Computer Science In the field of Computational Geometry
2008-02 – 2011-06	<b>TU Graz</b> Master's degree in Information and Computer Engineering Specialization: Algorithm Design Modelling, Simulation and Control
2004-10 – 2008-02	<b>TU Graz</b> Bachelor's degree in Information and Computer Engineering
1998-09 – 2003-06	<b>HTL Wolfsberg</b> Mechanical Engineering
1990-09 – 1998-07	<b>Primary and secondary school in St. Stefan</b>

## Trainings

2019-11	Automotive Functional Safety Professional (ISO 26262)
2017-09	Failure Mode and Effects Analysis (FMEA)
2017-07	Certified Scrum Master (software development process)
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 mitred offsets of nonconvex polytopes. *Discrete & Computational Geometry*, 56:743–801, 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](http://gernot-walzl.at/About/Scientific_Research/hcs-20101013.tar.gz).
- [8] Peter Teufl, Udo Payer, Michael Amling, Martin Godec, Stefan Ruff, Gerhard Scheikl, and Gernot Walzl. InFeCT - Network Traffic Classification. In *Seventh International Conference on Networking (ICN 2008)*, pages 439–444, Cancun, Mexico, 04 2008. IEEE.
- [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](http://gernot-walzl.at/About/Scientific_Research/iaik.som-20071108.tar.gz).