

# Curriculum Vitae

## Personal data



**Dr. Martin Felix Krafft**

born on 14 February 1979 in Munich, Germany  
committed

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## Education

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|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oct 2005 – Dec 2009 | <b>Irish Software Engineering Research Centre</b><br>CSIS, University of Limerick, Ireland<br>Ph.D. in computer science and sociology<br><a href="http://martin-krafft.net/phd/">http://martin-krafft.net/phd/</a> |
| Sep 2002 – Oct 2005 | <b>Artificial Intelligence Lab, University of Zurich, Switzerland</b><br>Teaching and research assistant in artificial intelligence and robotics<br>Completed additional course work to meet Ph.D. requirements    |
| Aug 1997 – Jun 2001 | <b>Swarthmore College, Philadelphia, PA, USA</b><br>High Honors Bachelor of Arts (computer science / psychology)                                                                                                   |
| Oct 1992 – Jun 1997 | <b>Munich International School, Percha/Starnberg, Germany</b><br>British A-Level: German, Mathematics, Physics, Chemistry<br>Finished third of the class                                                           |
| Sep 1989 – Oct 1992 | <b>Otto-von-Taube Gymnasium Gauting, Germany</b>                                                                                                                                                                   |
| Sep 1985 – Jul 1989 | <b>Grundschule Gauting, Germany</b>                                                                                                                                                                                |

## Internships

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|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aug 1999 – Dec 1999 | <b>Artificial Intelligence Lab, University of Zurich, Switzerland</b><br>Intern in artificial intelligence<br>Research assistant in cognitive robotics |
| Aug 1999 – Dec 1999 | <b>Neuronics AG, Zurich, Switzerland</b><br>Intern in software development and customer care/support                                                   |
| May 1999 – Jul 1999 | <b>Intact GmbH, Class Group, Starnberg, Germany</b><br>Intern in system administration and customer care/support                                       |
| May 1999 – Jun 1999 | <b>Class GmbH, Class Group, Starnberg, Germany</b><br>Intern in software development and system administration                                         |
| May 1998 – Jul 1998 | <b>Class GmbH, Class Group, Starnberg, Germany</b><br>Intern in software development                                                                   |

**Professional work**

Aug 2002 – present	<b>self-employed</b> Linux course instructor Security consultant in professional environments Communication facilitation between management and IT
Aug 2001 – present	<b>AERAssec GmbH, Hohenbrunn, Germany</b> Course instructor and network security consultant (freelance)

**Student work**

Sep 2000 – May 2001	<b>Swarthmore College, Philadelphia, PA, USA</b> Teaching assistant in computer science
Sep 1998 – May 2001	<b>Swarthmore College, Philadelphia, PA, USA</b> User support hard-/software for students and staff
Nov 1997 – Mar 2000	<b>Experts Exchange, LLC, Paso Robles, CA, USA</b> Online user support hard-/software
Juls 1997, 1996, 1995	<b>Andreae-Noris-Zahn AG, Munich, Germany</b> Temporary personell in storage and logistics of pharmaceutical trading
Aug 1994 – Jun 1997	<b>Munich International School, Percha/Starnberg, Germany</b> Temporary personell in user support software

**Computer skills**

Operating systems	Debian; GNU/Linux; FAI; NetBSD; Solaris; Mac OS X; MS Windows (NT 4.0 (MCSE), 2k, XP); Mac OS (7.0 – 9.x)
Administration	postfix; Apache2; Zope/Plone; PostgreSQL; djbdns; Mailman; BIND; OpenLDAP; squid; snort; nessus; Linux QoS; iproute2; netfilter; tcpdump; Cisco IOS; VPN-1; Firewall-1
Programming	C++/Boost; Python; C; sh/awk; SQL; XML/XHTML; CSS; VHDL; Perl; doxygen; gdb; bsr; git; SVN; CVS; Design patterns; Policy- and test-driven design; Agile development
Protocols / concepts	Diffie-Hellman; RSA; AES; Serpent; ElGamal; DSA; Blowfish; IKE; TCP/IP; IPv6; IPsec/VPN; PPP; PPPoE; 802.X; WPA; ATM; FDDI; Serial interfaces; Protocol design; Multithreading
Applications	vim; LaTeX; OpenOffice.org; Gimp; dia; Maple; MatLab; Opnet
Robots	Khepera; Pioneer; Magellan; SuperScout

**Certifications**

Jun 2005	Linux Professional Institute Level 1 (LPIC 1)
Jan 2002	Check Point Certified Security Administrator (CCSA) Check Point Certified Security Engineer (CCSE)

**Publications**

Jan 2010	A Delphi study of the influences on innovation adoption and process evolution in a large open-source project – the case of Debian
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	Ph.D. dissertation CSIS, University of Limerick, Ireland
Jun 2005 – present	<b>Personal web diary ("blog")</b> <a href="http://blog.madduck.net/">http://blog.madduck.net/</a>
Jun 2005	<b>The Debian System—Concepts and Techniques</b> ISBN 3-937514-07-4, 608 pages, hardcover Open Source Press, Munich, Germany <a href="http://debiansystem.info/">http://debiansystem.info/</a> translated to 4 languages (de, fr, jp, cn)
Jun 2001	<b>A Neural Optimal Controller Architecture for Wayfinding Behavior</b> Honors thesis (unpublished, available on request) Swarthmore College, Philadelphia, PA, USA
Oct 1999	<b>Identification and Categorization of Components in Composite Logic Gates Using Hierarchical Neural Networks</b> "Brown Bag" technical report Artificial Intelligence Lab, University of Zurich, Switzerland

### Social and personal skills

Firm speaking abilities  
 Strong didactics, especially when related to computer concepts  
 Effective organisational and interpersonal skills  
 Competent in providing guidance and leadership to others  
 Undergraduate level mathematics, calculus, linear algebra,  
 physics, chemistry, and organic chemistry

### Further experience

Jun 2007 – present	<b>DebConf</b> Press officer
Nov 2006 – present	<b>debian.ch</b> President
Mar 2005 – present	<b>Plone Foundation, Houston, TX, USA</b> Active developer of the Plone content management system
Mar 2005 – present	<b>Zope Corporation, Fredericksburg, VA, USA</b> Active developer of the Zope application server
Oct 2002 – Oct 2005	<b>VBC Embrach, Switzerland</b> Member of the men's volleyball team
Apr 2001 – present	<b>The Debian project</b> Active developer of the Debian GNU/Linux operating system Focus on quality assurance, security, PR, and workflow issues
Aug 1997 – Dec 2000	<b>Swarthmore College, Philadelphia, PA, USA</b> Secretary, PR manager, and member of the men's volleyball team
Sep 1996 – Aug 1998	<b>TSV Pentenried, Germany</b> Team captain of the adolescents' tennis team
Sep 1995 – Jun 1997	<b>Munich International School, Percha/Starnberg, Germany</b>

Student supervisor

Sep 1995 – Jun 1997

**Munich International School, Percha/Starnberg, Germany**

Team captain of the men's varsity volleyball team

Sep 1995 – Jan 1997

**Munich International School, Percha/Starnberg, Germany**

Member of the speech and debate team

Sep 1994 – Jun 1997

**Munich International School, Percha/Starnberg, Germany**

Co-editor of the yearbook

Leisure time

Research (workflow, system administration, security); Programming;

Music (passive and active; percussion and guitar, some clarinet);

Sailing; Volleyball; Squash; Alpine sports

Zürich, 07 November 2009

Martin F. Krafft