

## Oliver Stollmann

<b>Objective</b>	Become a successful business leader in the fields of information technology, optimization and logistics with a special interest in market opportunities in China	
<b>Experience</b>	<i>PARC, Palo Alto, United States of America</i>	<i>March 2013 - Now</i>
	<b>Visiting Researcher (Master's Thesis)</b>	
	<ul style="list-style-type: none"><li>• Developing a resource-contention-aware integrated manufacturing planner/scheduler using heuristic search.</li><li>• Topics: AI (combinatorial search)</li><li>• Technology: C++, Python</li></ul>	
	<i>ETH Zurich, Zurich, Switzerland</i>	<i>February 2012 - March 2013</i>
	<b>Research assistant at the Institute of Machine Tools and Manufacturing</b>	
	<ul style="list-style-type: none"><li>• Part-time: 24% (approx. 10 hours/week)</li><li>• Contributed to a research project evaluating the tractability of using Partially Observable Markov Decision Processes to control Waste-to-Energy plants in the face of uncertain market demand.</li><li>• Developed a hardware-in-the-loop controller evaluation framework.</li><li>• Technology: Python, MATLAB, OPC and various others</li></ul>	
	<i>ABB Schweiz AG, Baden, Switzerland</i>	<i>March 2011 - June 2011</i>
	<b>4-month internship in control and optimization</b>	
	<ul style="list-style-type: none"><li>• Developed an optimization program for the management of Waste-to-Energy plants (forecasting).</li><li>• Overcame difficulties of high-reliability/time-dependent control software.</li><li>• Technology: MATLAB, SQL, C#, VBScript</li></ul>	
	<i>Audi AG, Ingolstadt, Germany</i>	<i>June 2008 - July 2008</i>
	<b>6-week pre-study mechanical engineering internship</b>	
	<ul style="list-style-type: none"><li>• Worked in the training workshop, the sheet-metal shop and the press plant.</li><li>• Gained insight into one of the worlds leading car manufactures research and development departments.</li></ul>	
	<i>Miele &amp; Cie. KG, Guetersloh, Germany</i>	<i>May 2008 - June 2008</i>
	<b>5-week pre-study mechanical engineering internship</b>	
	<ul style="list-style-type: none"><li>• Worked in a variety of technical departments, including the press plant, the sheetmetal shop, the assembly line and the foundry.</li><li>• Profited from working with the engineers of the worlds most advanced manufacturer of high quality domestic appliances and machines for commercial applications.</li></ul>	
	<i>MyOzone Pty Ltd, Sydney, Australia</i>	<i>February 2005 - December 2007</i>
	<b>Part-time work on network administration and web design</b>	
	<ul style="list-style-type: none"><li>• Planned, implemented and managed the IT infrastructure of a small Australian startup (specialised in the development and production of innovative sunscreen containers).</li><li>• Designed and managed the companys website.</li><li>• Developed the companys corporate image and designed its marketing collaterals.</li><li>• Technology: PHP, Flash, Adobe Photoshop, InDesign, Illustrator</li></ul>	

*Summer Paralympics 2004, Athens, Greece*

*September 2004*

**Volunteer work in Olympic IT center**

- Member of the Athletes Information Center and of the team managing the Information Centers IT systems.
- Assistant to German, French and English speaking athletes in the Olympic Village.

*Sailing Yacht Alithia, Seven Seas*

*June 2002 - August 2004*

**World Circumnavigation**

- Sailed 40 000 miles around the world, exploring with my parents, two brothers and two sisters the planets most remote areas to gain a better understanding of different culture.
- Worked with the Tahitian military clearing the jungle in Tahiti Nui.
- Planned and implemented a two-week relief project for the cyclone and tsunami devastated island of Tikopia in the Solomon Island.
- Investigated and reported on women forced labour in Myanmar, dolphin exportations in the Solomon Islands, the effect of global warming on coral reefs in New Caledonia and AIDS in the developing world.
- Presented our world circumnavigation project to the students of schools on remote islands of the Pacific and Indian Ocean.
- Organized recreational activities with the children of the visited communities.

**Education**

*ETH Zurich, Zurich, Switzerland*

*February 2012 - Now*

**Master of Science, Swiss Federal Institute of Technology**

- Specialization: stochastic decision processes, planning/scheduling in artificial intelligence (search), production machines, production planning and logistics.

*ETH Zurich, Zurich, Switzerland*

*September 2008 - February 2012*

**Bachelor of Science, Swiss Federal Institute of Technology**

- Currently completing a Bachelor of Science in Mechanical and Process Engineering at the Swiss Federal Institute of Technology in Zurich.

*Beijing, P.R. China*

*February 2007 - April 2008*

**Intensive Mandarin program**

- Completed an intensive Mandarin learning program (70% private tutoring, 30% in classes at Di Qiu Cun Language School) in preparation for Chinas national Language Proficiency Test (HSK) in April 2008.

*Cranbrook School, Sydney, Australia*

*February 2005 - November 2006*

**Australian Higher School Certificate**

- Completed the HSC with a mark of 98.15/100, majoring in Advanced English, Advanced Mathematics, Physics, Advanced History, Modern History, Economics, Advanced French, Advanced German and Philosophy at the University of New England.
- Elected School Prefect participating in the day-to-day running of the school.
- Appointed Head of House in charge of the well-being about 130 students of all ages. and their relationship with the schools management.
- Peer-support leader for young students entering high school.
- Member of the Student Representative Council.
- Member of Cranbrooks 2nd Rugby and Basketball teams.
- Led various community projects such as Just Enough Faith, Clean Up Australia, Salvation Army Red Shield Appeal, etc.

*Institut de Poitiers - CNED, SY Alithia, Seven Seas*      *September 2002 - June 2004*

- Followed from Year 9 to Year 10 the school curriculum of the French National Center for Distance Learning (CNED) with Mathematics, Science, History, Geography, Information Technology, German, French and Music as subjects.
- Additionally followed the German educational syllabus including German Language and Literature, German History and Accelerated Mathematic.

*Lycee Francais, Duesseldorf, Germany*      *September 1997 - June 2002*

- Completed from Year 4 to Year 8 the French school curriculum with additional studies of German Language and History.

*Grundschule an der Rur, Kreuzau, Germany*      *September 1994 - June 1997*

- Accomplished the first three years of the German primary school curriculum.

*Belgischer Kindergarten, Dueren, Germany*      *September 1992 - June 1994*

- Two years of pre-school education in French.

**Certificates and  
IT Skills**

**Academic Certificates**

- ETH Bachelor of Science in Mechanical Engineering
- Australian High School Certificate with UAI of 98.15/100
- Deutsche Hochschulzulassungsanerkennung mit Numerus Clausus 1,0
- French advanced language certificate (DALF) prerequisite for admission to French Universities
- English Proficiency course attendance Certificate, University of New South Wales

**IT Skills**

- Unix, Windows, OS X (advanced)
- MS Office, Adobe Photoshop, Adobe InDesign, Adobe Illustrator (advanced)
- Python, PHP, C/C++, C#/.NET, Java, JavaScript (advanced)
- Haskell, SQL, VBScript (intermediate)
- Other: bash, git, mercurial, svn

**Languages**

- German (native)
- French (native)
- English (native-level)
- Mandarin (intermediate written/spoken)

**Personal  
Background**

**Entrepreneurial, creative and communicative character with a broad field of interests:**

- Born a German citizen on the 22. September 1988 in Bonn as son of a German entrepreneur and a Greek marketing executive
- First in a family of three boys and two girls
- Special interests include information technology, programming, politics, economics, global issues and photography
- Sports: hiking and rugby.

As the son of entrepreneurial and open minded parents and member of a big family I have had the chance to experience an unusual upbringing, that has taught me curiosity for the world, understanding and respect for others, readiness for new challenges and passionate pursuing of my life-goals.