

Mik Kersten

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Employment & Education	Publications	Other Activities
<p>Intentional Software Corporation Bellevue, Washington</p> <p>Senior Developer</p>	<p>Aspect-Oriented Programming with AJDT (ECOOP 2003 AAOS Workshop)</p> <p>Tool Requirements for Commercial Development with AspectJ (AOSD 2003 COMM Workshop)</p>	<p>AOSD 2004 Conference Publicity Chair ↑</p> <p>AOSD 2003 Conference Demonstrations Chair</p> <p style="text-align: right;">2003</p>
<p>Xerox PARC Palo Alto, California</p> <p>Research Scientist</p> <p>Designed and developed the AspectJ™ tools suite:</p> <ul style="list-style-type: none"> - Eclipse Plugin - JBuilder Plugin - NetBeans Plugin - AspectJ Browser - Visual J++ Plugin (prototype) - AspectJ Debugger (prototype) - AJDoc 	<p>AO Tools: State of the (AspectJ) Art and Open Problems (OOPSLA 2002 AOSD Tools Workshop)</p> <p>Software and Culture: Beyond the Internationalization of the Interface (Journal of Global Information Management)</p>	<p>Transferred AspectJ to eclipse.org</p> <p style="text-align: right;">2002</p>
	<p>Does aspect-oriented programming work? (Communications of the ACM Special Issue on AOP)</p> <p>Getting started with AspectJ (Communications of the ACM Special Issue on AOP)</p> <p>An Overview of AspectJ (ECOOP 2001 Conference)</p> <p>Atlas: An Example of Using Aspects to Express Architectural Configurations (AWASA 2001 Workshop)</p>	<p>Created aosd.net</p> <p style="text-align: right;">2001</p>
	<p>The Software for Cultures and the Cultures in Software (ECIS 2000 Conference)</p> <p>Semantics-Based Crosscutting in AspectJ (2000 ICSE MDSOC Workshop)</p> <p>Using AspectJ For Programming The Detection and Handling of Exceptions (ECOOP 2000 MDSOC Workshop)</p> <p>Illustrations of Crosscutting (ECOOP 2000 Aspects Workshop)</p>	<p style="text-align: right;">2000</p>
<p>University of British Columbia, Vancouver, Canada</p> <p>BSc in Computer Science</p> <p>Minor in Physical Anthropology</p>	<p>Atlas: A Case Study in Building a Web-Based Learning Environment using AOP (OOPSLA 1999 Conference)</p> <p>Atlas: Serving Dynamic Courses Dynamically (WCCCE 1999 Conference)</p> <p>ATLAS: the Advanced Teaching and Learning Academic Server (Computer Science Honors Thesis)</p>	<p>Created aspectj.org</p> <p style="text-align: right;">1999</p>
<p>RA: Configuration State Differencing</p>	<p>Roadmap to Computing: Past, Present and Future (WCCCE 1998 Conference)</p>	
<p>TA: 3rd year Operating Systems</p>	<p>Towards a Synthetic Model of Hominid Evolution (Anthropology Honors Thesis)</p>	<p style="text-align: right;">1997</p>
<p>Web Developer: interneg.org</p>		<p style="text-align: right;">1995</p>
<p>Lisgar Collegiate Institute Secondary Ottawa, Canada</p>		<p style="text-align: right;">1993</p>
		<p style="text-align: right;">1989</p>

Objective

The focus of my research and development effort has been making programmers more productive with tools that make the various design structures buried in an implementation explicit. Just as the two presentation styles of this CV offer different emphasis, multiple views of a system can highlight structure specific to different development tasks. I'm driven by the potential benefits of views that capture structure which is crosscutting to module boundaries, scattered across application resources, latent, or hidden in the system's history.

Employment

2003-01.. present	Senior Developer, Intentional Software Bellevue, USA	Developing the Intentional Programming technology. Lead by Charles Simonyi.
1999-06.. 2003-01	Research Scientist, Xerox PARC Palo Alto, USA	Designed and developed the AspectJ tools suite: Eclipse plugin, JBuilder® plugin, NetBeans plugin, AspectJ™ Browser, Visual J++ plugin (prototype), AspectJ debugger (prototype) and AJDoc. Created the aspectj.org and aosd.net sites. Lead by Gregor Kiczales.
1999-01.. 1999-05	Research Assistant, University of British Columbia Vancouver, Canada	Explored Configuration State Differencing. Supervised by Gail Murphy.
1999-01.. 1999-05	Research Assistant, University of British Columbia Vancouver, Canada	Implemented the Advanced Teaching and Learning Academic Server. Supervised by Ian Cavers and George Tsiknis.
1997-05.. 1999-06	Course Developer, UBC Roadmap To Computing Vancouver, Canada	Authored web-based courses on introductory C++ and Perl programming. Managed web infrastructure. Supervised by Ian Cavers and George Tsiknis.
1997-06.. 1998-09	Teaching Assistant, University of British Columbia Vancouver, Canada	Assisted in Computer Science 315 - Operating Systems. Supervised by Murray Goldberg
1996-12.. 1997-09	Web Developer, Carleton University Ottawa, Canada	Contributed to the implementation of InterNet.org, a web-based negotiation support system.
1995-10.. 1996-10	Manager, Sports Junkies' Service Center Vancouver, Canada	Paid for university by starting and running a part-time bicycle service center.

Education

1994-09.. 1999-05	B.Sc., University of British Columbia Vancouver BC	Computer Science Major, Physical Anthropology minor.
1989-09.. 1994-06	OSSD, Lisgar Collegiate Institute Ottawa ON	Ontario Secondary School Diploma with first class standing.

Publications

2003	Andy Clement, Adrian Colyer and Mik Kersten	Aspect-Oriented Programming with AJDT	ECOOP 2003 AAOS Workshop
	Mik Kersten	Tool Requirements for Commercial Development with AspectJ	AOSD 2003 COMM Workshop
2002	Gregory Kersten, Mik Kersten and Wojtek Rakowski	Software and Culture: Beyond the Internationalization of the Interface	Journal of Global Information Management 2002: 86-101
	Mik Kersten	AO Tools: State of the (AspectJ) Art and Open Problems	OOPSLA 2002 AOSD Tools Workshop
2001	Gail Murphy, Rob Walker, Elisa Baniassad, Martin Robillard, Albert Lai, and Mik Kersten	Does aspect-oriented programming work?	Communications of the ACM AOP Issue, 44(10): 59-65
	Gregor Kiczales, Erik Hilsdale, Jim Hugunin, Mik Kersten, Jeff Palm, and Bill Griswold	Getting started with AspectJ	Communications of the ACM AOP Issue, 44(10): 75-77
	Gregor Kiczales, Erik Hilsdale, Jim Hugunin, Mik Kersten, Jeff Palm, and Bill Griswold	An Overview of AspectJ	ECOOP 2001: 327-353
	Gail Murphy and Mik Kersten	Atlas: An Example of Using Aspects to Express Architectural Configurations	AWASA 2001 Workshop

2000	Gregory Kersten, Stan Matwin, Sunil Noronha and Mik Kersten	The Software for Cultures and the Cultures in Software	ECIS 2000: 509-514
	Gregor Kiczales, Jim Hugunin, Mik Kersten, John Lamping, Crista Lopes and Bill Griswold	Semantics-Based Crosscutting in AspectJ	ICSE 2000 MDSOC Workshop
	Crista Lopes, Jim Hugunin, Mik Kersten, Martin Lippert, Erik Hilsdale and Gregor Kiczales	Using AspectJ For Programming The Detection and Handling of Exceptions	ECOOP 2000 Workshop Reader
	Crista Lopes, Erik Hilsdale, Jim Hugunin, Mik Kersten and Gregor Kiczales	Illustrations of Crosscutting	ECOOP 2000 Aspects Workshop
1999	Mik Kersten and Gail Murphy	Atlas: A Case Study in Building a Web-Based Learning Environment using Aspect-oriented Programming	OOPSLA 1999: 340-352
	Ian Cavers, Mik Kersten and George Tsiknis	Atlas: Serving Dynamic Courses Dynamically	WCCCE 1999
1998	Ian Cavers, Mik Kersten and George Tsiknis	Roadmap to Computing: Past, Present and Future	WCCCE 1998

Selected Presentations

2002	Mik Kersten	AspectJ: the Language and Development Tools	OOPSLA 2002 Demo, Music City Java 2002 Talk, SD Forum Java SIG Talk
	Ron Bodkin and Mik Kersten	Aspect-Oriented Software Development with AspectJ	SDWest 2002 Tutorial
	Jim Hugunin and Mik Kersten	Programming in AspectJ	JavaOne 2002 BoF
2001	Mik Kersten and Erik Hilsdale	AspectJ: the Language and Support Tools	OOPSLA 2001 Demonstration
2000	Erik Hilsdale and Mik Kersten	AspectJ: the Language and Support Tools	ECOOP 2000 Demonstration
	Jim Hugunin and Mik Kersten	AspectJ: the Language and Support Tools	OOPSLA 2000 Demonstration
	Gregor Kiczales, Erik Hilsdale, Jim Hugunin, Mik Kersten and Crista Lopes	AspectJ: Aspect-Oriented Programming Using Java Technology	JavaOne 2000 Session
	Erik Hilsdale and Mik Kersten	AspectJ: Aspect-Oriented Programming Using Java Technology	SIGS JavaPlus 2000 Talk

Awards

2000	Xerox PARC Research & Technology Achievement Award
1998	UBC Computer Science Rick Sample Memorial Scholarship Award

Conference Organization

AOSD 2004	Publicity Chair
AOSD 2003	Demonstrations Chair, Web Chair, Eclipse BoF Organizer

Other Interests

I enjoy being outdoors and playing on snow, water, rock and pavement. Skiing has been my favorite sport since I was three, and I competed in Freestyle at the national level. During the first two years of University I lived on a sailboat, and now get my fill of the ocean by riding a motorbike around the coastal highways. I love losing myself in music, whether it involves dancing to house or daydreaming to baroque. Traveling and meeting new people feeds my desire to experience different cultures and personalities, and inspires the photography and 3D artwork that I enjoy making. Learn more at: <http://kerstens.org/mik>