

Sohei Okamoto

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Education

Dec 2011	Ph.D. in Computer Science and Engineering Dissertation: SUNPRISM: A Software Framework for Climate Change Research	University of Nevada, Reno
Dec 2005	M.S. in Computer Science Thesis: WIDE: Web Interface Development Environment	University of Nevada, Reno
Aug 2003	B.A. in Psychology (Minor: Computer Science)	University of Nevada, Reno

Skills

C++, Java, Python, OpenGL, Qt, Multi-threading, XML, Web Service
PHP, MySQL, HTML5, CSS3, Javascript, Flash/Actionscript, Ruby on Rails, Git, Linux
Excel, Visual Basic, SPSS, Xcode, Objective-C

Work Experience

Apr 2009 – Dec 2011	Research Assistant	Dept. of Computer Science and Engineering,
Jan 2012 – Present	Postdoctoral Scholar	University of Nevada, Reno, NV
Developed a new software framework to support collaborations in climate change research, with visual dataflow interface and capabilities for automatic code generation and immersive data visualization.		
Mar 2004 – Jul 2009	Graduate Assistant	Disability Resource Center,
		University of Nevada, Reno, NV
Developed a database web application to track alternative text requests and production, a survey management system to create online surveys, and an interactive text-to-speech application for Mac OS.		
May 2007 – Mar 2010	Research Assistant	Dept. of Internal Medicine,
		University of Nevada, Reno, NV
Developed new tools to assess energy balance in practice, with cascaded circular slide rules to estimates total energy expenditure and energy intake, using Mifflin-St Jeor equation (MSJE).		
Oct 2006 – Jan 2009	Research Assistant	Dept. of English,
		University of Nevada, Reno, NV
Developed an interactive on-line reports generator and data exporter for sociolinguistics experiments. Generated various graphical charts in Excel for data visualization, and various statistical reports in SPSS.		
Dec 2006 – May 2007	Research Assistant	Quadrant-One, Inc., Washington, DC
Developed an Excel-based project management tool for cost, duration, and rework analysis.		
May 2002 – Aug 2002	Research Assistant	IBM Almaden Research Center, San Jose, CA
May 2003 – Aug 2003	Research Assistant	
Developed a genomic analysis tool using signal processing algorithms to detect salient changes. Developed object recognition and verification algorithms using computer vision techniques.		