

Jeffrey Maki

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// education

Master of Information Systems Management and Information Security Management
Carnegie Mellon University, H.J. Heinz III School of Public Policy and Management, 2005

Bachelor of Science in Information Systems and Communication Design (with Honors; minor in Art)
Carnegie Mellon University, College of Humanities and Social Sciences, 2005

// experience

Associate Solutions Architect, 2008– Schematic

Implement software solutions from requirements gathering through architecture, development, testing, tuning, deployment and maintenance. Act as a liaison between the technology, design and user experience departments to evaluate feature and design feasibility.

Consultant, 2006–2007 University of Pittsburgh Center for Learning in Out of School Environments

Design and develop an online community of practice for professionals in informal education. Work with senior researchers on community programs to foster technology literacy and civic agency.

Co-Founder and Consultant, 2006–2007 DeepLocal

Lead the design and development of GigaPan, a project of DeepLocal and NASA/Carnegie Mellon (CMU) to share high resolution, explorable panoramic images. Consult on the design and development of MapHub, a group-managed geographic information system developed at CMU.

Senior Software Engineer, 2006 SSI Services

Design and develop subsystems for a distributed, fault-tolerant resource management and decision support system used by emergency responders.

Research Fellow, 2004–2007 Studio for Creative Inquiry, Carnegie Mellon University

Collaborate with a team of designers, artists, engineers and activists on the research and development of MapHub, a group-managed geographic information system.

Researcher and Technologist, 2004–2005 School of Design, Carnegie Mellon University

Research and develop an NSF-funded educational game in collaboration with a team of designers and social scientists. System design and development.

// teaching

Instructor, Spring 2007
Digital Imaging, School of Design and Visual Communications, Robert Morris University
Teach principles of visual design and digital imaging best practices.

Instructor, Fall 2006
Coding and Scripting, School of Design and Visual Communications, Robert Morris University
Teach concepts of database-driven, dynamic website development: HTML, CSS and the LAMP (Linux-Apache-MySQL-PHP) application stack.

Teaching Assistant, Spring 2005
Senior Studio, School of Design, Carnegie Mellon University
Collaborate with Design faculty member to offer Communication Design undergraduates an opportunity to discover where systems analysis and the design process converge to create designed technical systems.

// fellowships and exhibitions

Reference Check, 2007
Banff New Media Institute, Banff Centre, Alberta, Canada

MapMover, 2005 (with Carbon Defense League)
"Making Things Public," Zentrum Für Kunst und Medientechnologie (ZKM), Karlsruhe, Germany
Curated by Bruno Latour, Peter Weibel and Steve Dietz

// tools

HTML + CSS, JavaScript, PHP, ASP (.NET), Visual Basic (.NET), C, C# and Java
PostgreSQL, MySQL, SQL Server and Oracle database management systems
ArcGIS
The UML
Adobe Creative Suite

// recognitions

Named in "Top 40 Under 40" by American Venture Magazine as a co-founder of DeepLocal