Peter O'Donovan

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Education

BSc. (Hon.) Computer Science   **Sep 2000 – Apr 2005**
IMG Lab, University of Saskatchewan, Saskatoon, SK

Honors Thesis: Techniques and Applications in Optical Flow - Image stabilization of translational camera motion with region tracking

MSc. - Computer Science   **Sep 2008 – Sep 2009**
PhD. - Computer Science   **Sep 2009 – present**
DGP Lab, University of Toronto, Toronto, ON

Emphasis of study on computer graphics, vision, and machine learning.
Worked with Aaron Hertzmann on developing a system for interactive painterly animation

Scholarships & Awards

Julie Payette Award   **2009 – 2010**
NSERC Research Scholarship
National award to the top 24 Master's candidates

Most Outstanding Graduate in Computer Science   **2004 – 2005**
University of Saskatchewan

ISM Corporation Scholarship   **2004 – 2005**
University of Saskatchewan
Awarded to the top academic student in 4th year

Publications

P. O'Donovan, D. Mould. (2006) **Felt Rendering.** 4th International Symposium on Non-Photorealistic Animation and Rendering (NPAR 2006), Jun. 5 – Jun. 7, 2006. Annecy, France.

M. Winter, C. Brooks, G. McCalla, J. Greer, P. O'Donovan. (2004) **Using Semantic Web Methods for Distributed Learner Modeling.** 2nd International Workshop on Applications of Semantic Web Technologies for E-Learning (SW-EL 04) held in conjunction with the International Semantic Web Conference (ISWC 2004), Nov. 7 - Nov. 11, 2004. Hiroshima, Japan.

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Work Experience

Energy Market Software Analyst Team Lead **Oct 2007 – Jun 2008**
Energy Market Software Analyst **Jun 2006 – Oct 2007**
The SPi Group, Client Services, Toronto, ON
- Responsible for the operation of billing systems with over 150,000 accounts for over $100 million annually
- Software development of operations tools and user interfaces for data warehousing and billing systems
- Designed and lead development for an interface which increased team productivity by 4 hours per person per day
- Team lead supervising 4 junior analysts
- Training new analysts in the department

Undergraduate Research Assistant **Apr 2005 – Sep 2005**
University of Saskatchewan, Computer Science, IMG Lab, Saskatoon, SK
- Research in computer vision including texture segmentation and recognition
- NSERC Research Scholarship under the supervision of Dr. Mark Eramian

Undergraduate Research Assistant **Apr 2004 – Sep 2004**
University of Saskatchewan, Computer Science, ARIES Lab, Saskatoon, SK
- Research in knowledge representation, semantic webs, and user modeling
- NSERC Research Scholarship under the supervision of Dr. Gord McCalla

Undergraduate Research Assistant **Apr 2003 – Sep 2003**
University of Saskatchewan, Computer Science, DISCUS Lab, Saskatoon, SK
- Research in networking and multicast streaming distribution of non-linear media
- NSERC Research Scholarship under the supervision of Dr. Derek Eager