Stephen F Ingram

Curriculum Vitae

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Education and Qualifications

Start/End	Degree
1998/1999, 2000/2004	B.Sc.(Honors) Computer Science *Institute*: Georgia Institute of Technology *Advisor*: Greg Turk
2005/2008	M.Sc. Computer Science *Institute*: University of British Columbia *Supervisor*: Tamara Munzner, *Co-supervisor*: Marc Olano *Thesis title*: Multi-level Multidimensional Scaling on the GPU
2008/2009, 2010/2013	Ph.D Computer Science *Institute*: University of British Columbia *Supervisor*: Tamara Munzner *Thesis title*: Practical Considerations for Dimensionality Reduction

Employment Record

Organization	Title	Dates
COHO Data	R&D Engineer	04/13-current
University of British Columbia	Postdoctoral Researcher	09/13-04/14
Mobify	Research Contract	01/13-03/13
Twin Beach Analytics	Quantitative Analyst/Researcher	05/08-06/12
BC Cancer Agency	Development Contract	10/07-05/08
Emory University Library	Senior Developer/Analyst	06/04-07/05
Internet Security Systems	Programmer (full time)	01/99-02/00
Yokogawa Industrial Automation	Programmer (part and full time)	03/96-09/98

Publications

Refereed Journal Papers

J3. **Stephen Ingram**, Tamara Munzner (2015). Dimensionality reduction for documents with nearest neighbor queries. *Neurocomputing* 150, 557–569.

J2. Matthew Brehmer, **Stephen Ingram**, Jonathan Stray, Tamara Munzner (2014). Overview: the design, adoption, and analysis of a visual document mining tool for investigative journalists. *IEEE Trans. Visualization and Computer Graphics (InfoVis 2014)* 20(12), 2271–2280.

J1. **Stephen Ingram**, Tamara Munzner, Marc Olano (2009). Glimmer: multilevel MDS on the GPU. *IEEE Trans. Visualization and Computer Graphics* 15(2), 249–261.

Conference Proceedings

C6. Michael Sedlmair, Matthew Brehmer, **Stephen Ingram**, Tamara Munzner (2014). Visualizing dimensionally-reduced data: Interviews with analysts and a characterization of task sequences. *Proceedings of the ACM Workshop on BEyond time and errors: novel evaLuation methods for Information Visualization(BELIV 2014)*, 557–569.

C5. Jake Wires, **Stephen Ingram**, Zachary Drudi, Nicholas JA Harvey, Andrew Warfield (2014). Characterizing storage workloads with counter stacks. *Proceedings of the 11th USENIX conference on Operating Systems Design and Implementation (OSDI 2014)*, 335–349.

C4. **Stephen Ingram**, Tamara Munzner (2012). Glint: An MDS framework for costly distance functions. *Proceedings of the Annual Conference of the Swedish Computer Graphics Association (SIGRAD 2012)*, 29–38.

C3. **Stephen Ingram**, Tamara Munzner, Veronika Irvine, Melanie Tory, Steven Bergner, and Torsten Moller (2010). DimStiller: Workflows for dimensional analysis and reduction. *Proceedings of the IEEE Conference on Visual Analytics Software and Technologies (VAST 2010)*, 3–10.

C2. Pravin Bhat, **Stephen Ingram**, Greg Turk (2004). Geometric texture synthesis by example. *Proceedings of the Eurographics/ACM SIGGRAPH symposium on Geometry processing (SGP 2004)*, 41–44.

C1. **Stephen Ingram**, Pravin Bhat (2004). Automatic collage using texture synthesis. *Proceedings of Smart Graphics 2004*, 140–145.

Technical Reports

TR3. **Stephen Ingram**, Tamara Munzner, and Jonathan Stray (2012). *Hierarchical clustering and tagging of mostly disconnected data.* Technical Report TR-2012-01, Dept. Computer Science, Univeristy of British Columbia.

TR2. Michael Sedlmair, Matthew Brehmer, **Stephen Ingram**, Tamara Munzner (2012). *Dimensionality reduction in the wild: Gaps and guidance.* Technical Report TR-2012-03, Dept. Computer Science, Univeristy of British Columbia.

TR1. **Stephen Ingram**, Tamara Munzner (2007). *GLUG: GPU Layout of Undirected Graphs.* Technical Report TR-2007-23, Dept. Computer Science, Univeristy of British Columbia.

Conference Presentations

CP3. Glint: An MDS Framework for Costly Distance Functions, Nov/12
Annual Conference of the Swedish Computer Graphics Association (SIGRAD 2012)

CP2. DimStiller: Workflows for dimensional analysis and reduction Oct/10
Visual Analytics Science and Technology (VAST 2010)

CP1. Geometric texture synthesis by example Jul/04
Symposium on Geometry Processing (SGP 2004)