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# Education

University of British Columbia, Vancouver, Canada — *Sept '04 – present*

- PhD candidate in the IMAGER lab supervised by Prof. Alla Sheffer
  Course Average (**92%**):

University of Waterloo, Waterloo, Ontario, Canada — *Jan'02 – August'04*

- Master of Mathematics in the Computer Graphics Lab supervised by Prof. Michael McCool. Courses Average (**91%**):

University of Waterloo, Waterloo, Ontario, Canada — *Sept '98 – Dec '01*

- Honours Co-op Bachelor of Mathematics in Computer Science with a minor in Pure Math. Graduated with distinction. Cumulative Average (**85%**)

# Articles published or accepted in refereed journals and conferences

- **T. Popa**, Q. Zhou, D. Bradley, V. Kraevoy, H. Fu, A. Sheffer, W. Heidrich. Wrinkling Captured Garments Using Space-Time Data-Driven Deformation. Eurographics 2009 (submitted 243, accepted 56, 23%)
- D. Bradley, **T. Popa**, A. Sheffer, W. Heidrich, T. Boubekeur. (2008) Markerless Garment Capture. *ACM Transactions on Graphics (Proceedings of SIGGRAPH).* 27: 99-108 (submitted 518, accepted 90, 17%)
- **T.Popa**, D. Julius, A. Sheffer, (2007). **Interactive and Linear Material Aware Deformation.** International Journal on Shape Modeling. Special Issue on Shape Modeling International.
- R. Gal, O. Sorkine, **T. Popa**, A, Sheffer, D. Cohen-Or (2007). **3D Collage: Expressive Non-Realistic Modeling,** *Proc. International Symposium on Non-Photorealistic Animation and Rendering (NPAR) (*submitted: 34, accepted: 16, 47%)
- **T. Popa**, D. Julius, A. Sheffer, (2006). **Material Aware Mesh Deformation.** International Conference on Shape Modelling and Applications (submitted: 58, accepted: 20, 34%)
- M. McCool, S. Du Toit, **T. Popa**, B. Chan, K. Moule. ACM Transactions on Graphics SIGGRAPH 2004
- M. D. McCool, Z. Qin, and **T. Popa**: **Shader Metaprogramming**. Graphics Hardware Workshop, September 2-3, 2002, Saarbruecken, Germany

## Other referred contributions

- R. Gal, O. Sorkine, **T. Popa**, A. Sheffer, D. Cohen-Or. **Non-Realistic Expressive Modeling**. Technical sketch at SIGGRAPH 2006 (23%)
- **T. Popa**, D. Julius, A. Sheffer, (2006). **Material Aware Mesh Deformation.** Technical poster at SIGGRAPH 2005.
- **T. Popa**, M McCool (2004). **Data-Dependent Multipass Control Flow on GPUs**. Technical Poster. ACM Workshop on General Purpose Computing on Graphics Processors (GP2)

## Non-refereed contributions

- **T. Popa**, D. Julius, A. Sheffer, (2006) **Material Aware Mesh Deformations**. Technical Report: TR-2005-26, University of British Columbia
- M. McCool, **T. Popa** and K. Moule, (2003) **Stream GPU Architectures**, Technical Report CS-2003-23, School of Computer Science, University of Waterloo

## Achievements

- Pacific Century Graduate Scholarship*, Sept. 2007 - Aug. 2008*
- First Place ACM Student Research Competition, *2005* SIGGRAPH
- NSERC Graduate Scholarship, *Sept. 2004 – August 2006*
- NSERC Industrial Postgraduate Scholarship, *Jan 2003 – April 2004*
- Ontario Graduate Scholarship for Science & Technology, *Jan 2002 – Dec. 2002*
- Nortel Scholarship, *Winter 2001 and Fall 2001*

## Work Experience

**Electronic Arts** – Research Student, May 2003 – August 2003, Burnaby, BC, Canada

**Classwave Wireless** – Software Developer, May 2001 – August 2001, Toronto, ON, Canada:

- Embedded development for Windows CE (PocketPC)
- Wireless networking application using Bluetooth technologies

**Matrox** – Software Developer, May 2000 – August 2000, Markham, ON, Canada

- Direct X 7 driver development processCorel Corporation – Software Developer, Sept. 1999 – Dec.1999, Ottawa, Ont, Canada

**Corel Corporation** – Software Developer, Jan. 1999 – April. 1999, Ottawa, ON, Canada

- Corel Draw development group, 2D Vector Effects team
- Core functionality and features in Corel Draw

## Relevant Activities

- I held Teaching Assistant positions for 6 terms during my Masters and PhD programs
- I served as a paper reviewer for the Symposium on Geometric Processing, Shape Modeling International, Eurographics and IEEE Transactions on Multimedia.