
Tiberiu Popa

Associate Professor

Department of Computer Science and
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Concordia University

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Work Experience

Associate Professor – Department of Computer Science and
Software Engineering, Concordia University

July'18-present

Assistant Professor – Department of Computer Science and
Software Engineering, Concordia University

*August'13 –
June'18*

Senior Researcher – Computer Graphics Lab – ETH Zurich

Jan'12 - June'13

Postdoctoral Researcher - Computer Graphics Lab - ETH Zurich

Jan'10 - Dec '11

Research Student, Electronic Arts, Burnaby, BC, Canada

*May 2003 –
August 2003*

Software Developer, Classwave Wireless, Toronto, ON, Canada:

*May 2001 –
August 2001*

Software Developer, Matrox, Markham, ON, Canada

*May 2000 –
August 2000*

Software Developer, Corel Corporation, Ottawa, ON, Canada

*Sept. 1999 – Dec.
1999*

Education

University of British Columbia, Vancouver, Canada

Sept '04 - Dec '09

- PhD in the IMAGER lab supervised by Prof. Alla Sheffer

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%**)

Journal publications

1. **J. Montes**, B. Thomaszewski, S. Mudur, T. Popa, “Computational Design of Skintight Clothing”, ACM Transaction on Graphics, Proceedings of SIGGRAPH 2020
2. D. Holden, O. Kanoun, M. Perepichka, T. Popa, “Learned Motion Matching”, ACM Transaction on Graphics, Proceedings of SIGGRAPH 2020
3. **Léger É.**, Reyes J., Drouin S., Popa T., Hall, J.A., Collins L., Kersten-Oertel M. “MARIN: an Open Source Mobile Augmented Reality Interactive Neuronavigation System”. Accepted to International Journal of Computer Assisted Radiology and Surgery (IJCARS).
4. **P. Raina**, S. Mudur, T. Popa, “Sharpness Fields in Point Clouds Using Deep Learning”, Computers & Graphics (2019)
5. Ramachandran S, Ghafourzadeh D, de Lasa M, Popa T, Paquette E. “Joint Planar Parameterization of Segmented Parts and Cage Deformation for Dense Correspondence” Computers & Graphics. Special issue on SMI 2018, 2018 May 24.
6. **Léger É.**, Reyes J, Drouin S, Collins L, Popa T, Kersten M. “Gesture-based registration correction using a mobile augmented reality image-guided neurosurgery system”. Healthcare Technology Letters. 2018 Aug 22.
7. **Mendhurwar K**, Gu T, Mudur S, Popa T, “The Discriminative Power of Shape. An Empirical Study in Time Series Matching”, IEEE Transactions on Visualization and Computer Graphics” 2017
8. **Léger É.**, Drouin S, Collins L, Popa T, Kersten M. “Quantifying attention shifts in augmented reality image-guided neurosurgery”. Healthcare Technology Letters. 2017
9. *Kuster C, Popa T, Bazin JC, Martin T, Gross M, "Spatio-Temporal Geometry Fusion for Multiple Hybrid Cameras using Moving Least Squares Surfaces", Computer Graphics Forum Proceedings of Eurographics 2014

10. C. Kuster, **T. Popa**, J.C. Bazin, C. Gotsman, M. Gross (2012) [Gaze Correction for Home Video Conferencing](#) (Proceedings of SIGGRAPH Asia)
11. M. Germann, **T. Popa**, R. Keiser, R. Ziegler, M. Gross (2012) [Novel-View Synthesis of Outdoor Sport Events Using an Adaptive View-Dependent Geometry](#). Proceedings of Eurographics 2012 (Computer Graphics Forum)
12. D. Rohmer, **T. Popa**, S. Hahmann, M.P. Cani, A. Sheffer (2010) [Animation Wrinkling: Augmenting Coarse Cloth Simulation with Realistic-looking Wrinkles](#). ACM Transaction on Graphics (Proceedings of SIGGRAPH Asia)
13. **T. Popa**, I. South-Dickinson, D. Bradley, A. Sheffer, W. Heidrich (2010) [Globally Consistent Space-time Reconstruction](#). Proc. Symposium of Geometry Processing (Computer Graphics Forum)
14. D. Bradley, W. Heidrich, **T. Popa**, A. Sheffer. (2010) [High Resolution Passive Facial Performance Capture](#). ACM Transactions of Graphics (Proceedings of SIGGRAPH)
15. **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%)
16. D. Bradley, **T. Popa**, A. Sheffer, W. Heidrich, T. Boubekur. (2008) [Markerless Garment Capture](#). *ACM Transactions on Graphics (Proceedings of SIGGRAPH)*. 27: 99-108 (submitted 518, accepted 90, 17%)
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.
18. M. McCool, S. Du Toit, **T. Popa**, B. Chan, K. Moule. **Shader Algebra**. ACM Transactions on Graphics SIGGRAPH 2004

Conference publications

1. P. Raina, T. Popa, S. Mudur. "Fine Feature Reconstruction in Point Clouds by Adversarial Domain Translation". Proceedings of Graphics Interface 2020
2. S. Ramachandran, T. Popa, E. Paquette. "Constraint-Based Spectral Space Template Deformation for Ear Scans". Proceedings of Graphics Interface 2020
3. D. Ghafourzadeh, S. Ramachandran, M. de Lasa, T. Popa, E. Paquette. "Local Editing of Cross-Surface Mappings with Iterative Least Squares Conformal Maps", Proceedings of Graphics Interface 2020

4. D. Ghafourzadeh , C. Rahgoshay, S. Fallahdoust, A. Beauchamp, A. Aubam, T. Popa, E. Paquette“. Part-Based 3D Face Morphable Model with Anthropometric Local Control”, Proceedings of Graphics Interface 2020
5. K. Mendhurwar, G. Handa, L. Zhu, S. Mudur, E. Beauchesne, M. LeVangie, A.Hallihan, A. Javadtalab, T. Popa. “A System for Acquisition and Modelling of Ice-Hockey Stick Shape Deformation from Player Shot Videos”, 6th IEEE International Workshop on Computer Vision in Sports (CVsports), 2020
6. M. Perepichka, D. Holden, S. Mudur, T. Popa “Tiberiu Popa Robust Marker Trajectory Repair for MOCAP using Kinematic Reference”, ACM SIGGRAPH Conference on Motion, Interaction and Games, 2019
7. Eid P, Mudur S, Popa T. “Knowledge-based Discovery of Transportation Object Properties by Fusing Multimodal data”, Proceedings of International Conference of Computer Graphics and Visual Computing, 2018
8. **Raina, P.**, Sudhir, M., Popa, T. “MLS²: Sharpness Field Extraction Using CNN for Surface Reconstruction” Proceedings of Graphics Interface (GI) 2018
9. **A. Zafar**, T. Popa “Face and Frame Classification using Geometric Features for a Data-driven Frame Recommendation System” Proceedings of Graphics Interface (GI) 2016
10. **D. Birkas**, K. Birkas, T. Popa “A Mobile System for Scene Monitoring and Object Recognition”, Proceedings of 29th conference on Computer Animation and Social Agents (CASA), 2016
11. **C. Kuster**, N. Ranieri, J-C. Bazin, T. Martin, P-Y. Laffont, T. Popa, M. Gross “An Immersive Bidirectional System for Life-size 3D Communication”, Proceedings of 29th conference on Computer Animation and Social Agents (CASA), 2016
12. **D. Geiger**, JC.Bazin, T. Popa, C. Kuster, M. Gross, "Gaze Correction with a Single Webcam" Paper IEEE International Conference on Multimedia and Expo 2014,
13. D. Teng, JC. Bazin, T. Martin, T. Popa, M. Gross, "Registration of Multiple RGBD Cameras via Local Rigid Transformations" Paper IEEE International Conference on Multimedia and Expo 2014, , 2014-03-29
14. C.Kuster, N. Ranieri, Agustina, H. Zimmer, J.C. Bazin, C. Sun, **T. Popa**, M. Gross (2012) [Towards Next Generation Teleconferencing Systems](#). Proceedings of 3DTV.
15. C.Kuster, **T. Popa**, C. Zach, C. Gotsman, M. Gross (2011) FreeCam: [A Hybrid Camera System for Interactive Free-Viewpoint Video](#) Proceedings of Vision, Modeling, and Visualization (2011) **(2nd Place Best Paper Award)**
16. C. Öztireli, U. Uyumaz, **T. Popa**, A. Sheffer, M. Gross (2011) [3D Modeling with a Symmetric Sketch](#) Proceedings of SBIM (Vancouver, Canada, August 5-7, 2011)

17. M. Germann, **T. Popa**, R. Ziegler, R. Keiser, M. Gross (2011) [Space-Time Body Pose Estimation in Uncontrolled Environments](#) Proceedings of 3DIMPVT 2011) (**Best paper award**)
18. 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%)
19. **T. Popa**, D. Julius, A. Sheffer, (2006). [Material Aware Mesh Deformation](#). International Conference on Shape Modelling and Applications (submitted: 58, accepted: 20, 34%)
20. M. D. McCool, Z. Qin, and **T. Popa**: **Shader Metaprogramming**. Graphics Hardware Workshop, September 2-3, 2002, Saarbruecken, Germany

Short Papers and Posters

1. Mendhurwar, K., Mudur, S., & Popa, T. (2017, July). Time series matching for biometric visual passwords. In ACM SIGGRAPH 2017 Posters (p. 87).
2. C. Fleury, T. Popa, T.J. Cham, H. Fuchs, "Merging Live and pre-Captured Data to support Full 3D Head Reconstruction for Telepresence" Paper Eurographics (short paper), 2014
3. T. Martin, J. Montes, J.C. Bazin, M. Gross, T. Popa "Topology-aware Reconstruction of Thin Tubular Structures", SIGGRAPH Asia 2014 Technical Brief
4. R. Gal, O. Sorkine, **T. Popa**, A. Sheffer, D. Cohen-Or. **Non-Realistic Expressive Modeling**. Technical sketch at SIGGRAPH 2006 (23%)
5. **T. Popa**, D. Julius, A. Sheffer, (2006). **Material Aware Mesh Deformation**. Technical poster at SIGGRAPH 2005.
6. **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

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

Patents

1. AUTOMATED RECOMMENDATION AND VIRTUALIZATION SYSTEMS AND METHODS FOR E-COMMERCE (International PCT Patent Application Serial No. PCT/CA2016/000002 Filed January 5, 2016) A. Asoodeh, T. Popa
2. VIRTUAL MIRROR SYSTEMS AND METHODS (PCT/CA2015/000312 Filed May 13, 2015) . S. Quan, A. Consel, C. Birkas, S. Mudur, T. Popa
3. METHOD AND SYSTEM FOR IMAGE PROCESSING IN VIDEO CONFERENCING, Switzerland (awarded) Application number: PCT/EP2012/004710. Publication number: WO/2013/127418 C. Kuster, T. Popa, JC. Bazin, C. Gotsman, M. Gross <http://www.google.com/patents/WO2013127418A1>
4. SILHOUETTE-BASED POSE ESTIMATION – Application number: PCT/CH2012/000100. Publication no: WO2012155279 A2 , Switzerland, M. Germann, T. Popa, R. Keiser, R. Ziegler, M. Gross <http://patentscope.wipo.int/search/en/WO2012155279>

Book chapters

1. Computer vision in Sports, Springer International Publishing (2015). Chapter “Detection and tracking for novel view generation”

Students mentored, supervised and co-supervised

Co-Supervisor	Etienne Beauchesne, Research Assistant Start Date: 2018/3 Project Title: Hardware and Software System for Hockey Shot Acquisition and Reconstruction
Co-Supervisor	Salehe Efranian Ebadi, Postdoctoral fellow Start Date: 2018/2 Project Title: Animation Synthesis using Deep Learning
Supervisor	Arian Saffarizadeh, Master Student Start Date: 2018/5
Supervisor	Gaurav Handa, Master Student Start Date: 2018/5 Project Title: Hardware and Software System for Hockey Shot Acquisition and Reconstruction
Supervisor	Maksym Perepichka, Master Student Start Date: 2017/1

Project Title: Motion Capture Editing and Repair using Deep Learning

- Co-Supervisor Étienne Léger
PhD Student
Start Date: 2017/5
Project Title: Augmented Reality Tools for Image Guided Neurosurgery
- Supervisor Vladimir de la Cruz,
Master Student
Start Date: 2016/1
Project Title: Animation Synthesis using Deep Learning
- Co-Supervisor Kaustubha Mendhuwar,
Postdoctoral fellow Degree
Start Date: 2016/2
Project Title: Human Motion Analysis
End Date: 2017
- Co-Supervisor Kaustubha Mendhuwar,
Doctorate (Graduated)
Start Date: 2013/9
End Date: 2016/1
Thesis/Project Title: Human Motion Analysis
- Supervisor Juan Montes, PhD Thesis (In Progress)
Student Degree Start Date:
2015/1
Thesis/Project Title: Virtual Mirror for Garments using Data-driven Novel Hybrid Skin/Cloth Deformation Models
- Co-Supervisor Prashant Raina, Doctorate
(In Progress) Student
Degree Start Date: 2014/9
Thesis/Project Title: Multimodal synchronous spatial-temporal tongue acquisition for medical applications
- Co-Supervisor Jordan Crawford, Master's
Thesis (In Progress) Student
Degree Start Date: 2015/9
Student Degree Expected Date: 2017/8
Thesis/Project Title: Virtual Patient Models for Medical Simulation, Visualization and Assessment
- Supervisor David Birkas, Master's Thesis
(Graduated) Student Degree
Start Date: 2014/9
End Date: 2016/1

Thesis/Project Title: Fast Update Methods for Large Scale 3D Reconstruction of Virtual Worlds

Supervisor Juan Montes, Master's Thesis (Graduated) Student Degree
Start Date: 2014/1
Thesis/Project Title: Physical Modeling of Rods.
Status: graduated

Co-Supervisor Siyu Quan, Master's Thesis (Graduated) Degree Start Date: 2014/9
End Date: 2016/1
Thesis/Project Title: Virtual eye-ware using consumer level depth cameras.

Co- Supervisor Qing Gu, Master's Thesis (Graduated)
Degree Start Date: 2013/9
End Date: 2016/1
Thesis/Project Title: SPH Fluid simulator using Smooth Particle Hydrodynamics

Co- Supervisor Hanxin Jia, Master's Thesis (Graduated) Date: 2013/9
End Date: 2016/1
Thesis/Project Title: SPH Fluid simulator using Smooth Particle Hydrodynamics

Principal Supervisor Amir Zafar Asoodeh, Master's Thesis (Graduated) Student Degree
Start Date: 2013/9
Student Degree Expected Date: 2015/8
Thesis/Project Title: Geometric modeling of glasses for custom fitting and rapid manufacturing

Co-Supervisor Zimmermann, Marco, Master's Thesis (Completed) Student Degree Start Date: 2013/5
Student Degree Received Date: 2013/11
Thesis/Project Title: Multimodal Registration, Visualization and Analysis of Facial Medical Data

Co-Supervisor Dessovic, Raoul, Master's Thesis (In Progress) Student Degree
Start Date: 2011/9
Thesis/Project Title: Automatic segmentation of moving hybrid depth-color cameras

Co-Supervisor Dominik, Giger, Master's Thesis
(Completed) Student Degree
Start Date: 2013/5
Student Degree Received Date: 2013/11
Thesis/Project Title: Single Camera Gaze Correction for Home Video Conferencing

Academic Advisor Omri Azencot, Research Associate
(Completed) Student Degree Start
Date: 2013/2
Student Degree Received Date: 2013/4
Thesis/Project Title: Gaze correction Skype plug-in development.
(Azencot was doing an internship at ETH)

Co-Supervisor Illi, Alain, Master's Thesis
(Completed) Student
Degree Start Date:
2012/12
Student Degree Received Date: 2013/6
Thesis/Project Title: Quantization-aware super-resolution on Kinect depth maps

Co-Supervisor Dessovic, Raoul, Bachelor's
(Completed) Student
Degree Start Date: 2011/2
Student Degree Received Date: 2011/8
Thesis/Project Title: Hybrid Camera Calibration

Co-Supervisor Schultz, Christian, Master's Thesis
(Completed) Student Degree Start
Date: 2012/3
Student Degree Received Date: 2012/9
Thesis/Project Title: Make me Dance: Towards Human Motion Enhancement in RGB+D Videos

Co-Supervisor Simone, Meyer, Bachelor's
(Completed) Student
Degree Start Date: 2012/1
Thesis/Project Title: Modelling Perfect Developable Surfaces

Co-Supervisor Nicholas, Pleschko, Bachelor's
(Completed) Student Degree
Start Date: 2012/1
Thesis/Project Title: Automatic Avatar Creation using Skeleton-Embedded Depth Data

Academic Advisor Dalstein, Boris, Research Associate
(Completed) Student Degree Start
Date: 2012/1
Thesis/Project Title: Animating Expressive Characters with Curved Bones and a

Sketch-Based Interface

- Co-Supervisor Uyumaz, Umut, Master's Thesis
(Completed) Student Degree
Start Date: 2010/7
Thesis/Project Title: Shape from a Symmetric Sketch
- Academic Advisor Kuster, Claudia, Doctorate
(In Progress) Student
Degree Start Date: 2010/1
Student Degree Expected Date: 2014/6
Thesis/Project Title: Real-Time Mobile 3D Acquisition using Hybrid
Sensor Setup
- Academic Advisor Germann, Marcel, Doctorate
(Completed) Student Degree
Start Date: 2010/1
Thesis/Project Title: Video-Based Rendering Techniques

Grants

- 1) **Concordia University Start-up Grant (awarded). Sept 2013 – December 2015, 50,000CAD**
This grant was used to establish my group and purchase basic equipment such as workstations for my students.
- 2) **NSERC – Engage -March 2014 – November 2014 collaborator – Simulation and Rendering Improvements to Welding Simulator for Training (awarded), 25,000 CAD.**
In this grant we developed a real-time SPH simulator tailored to welding applications.
- 3) **NSERC – Discovery April 2014 – April 2019. Multimodal synchronous spatial-temporal acquisition of facial features and tongue for medical applications (awarded).. 120,000 CAD.** In this project I investigate various spatial-temporal surface acquisition techniques with medical applications. There is no conceptual or budgetary overlap of this funding with the proposed project.
- 4) **Concordia University – Individual Seed Grant, (June 2014- April 2016) (awarded).7,000 CAD**
In this project I investigate the problem of fast, automatic and user assisted updates of 3D geometric models obtained from large-scale reconstruction. I am looking at solutions that require relatively less inexpensive equipment that can be easily incorporated into a company's current maintenance protocols and also operated easily by existing staff. There is no conceptual or budgetary overlap of this funding with the proposed project.
- 5) **FRQNT - Nouveaux Chercheurs Grant (April 2015- March 2017) (awarded) 40,000 CAD.** In this project I propose a novel virtual try-on system for garments. The proposed system has at its core a novel physics simulation technique that treats both the garment and body as deformable objects and uses real measurements to obtain accurate results. This new physics model will enable the accurate rendering of both garment and body (the look) as well as feedback regarding the comfort level of the fit, optional alterations to the patterns to improve the fit and options for minor adjustments for best fit and comfort. There is no conceptual or budgetary overlap of this funding with the proposed project.
- 6) **ENCS Capital Innovation Fund (May 2015-April 2016) (awarded). 107,000 CAD** This grant was to set up an geometry and performance acquisition lab.

- 7) **NSERC – Engage (February 2016 – July 2016). 25,000 CAD (awarded)** This grant was to apply motion recognition technology to a medical application with the industry partner Jintronix.
- 8) **NSERC Engage** (2017, \$25, 000),
- 9) **NSERC – CRD (May 2017 – April 2020). 315,000 CAD Next Generation Motion Controller and Synthesis for Game Characters (awarded)**
- 10) **NSERC Collaborative Research and Development Grant (CRD)** (awarded) -2019, \$117,850
- 11) **Concordia University – Individual Seed Grant, (2017- 2019)** (awarded).7,000 CAD
- 12) **NSERC Collaborative Research and Development Grant (CRD)** (awarded) -2018-2020 - \$170,000. **High-fidelity, directable animation transfer using facial decomposition on optimized micro-sequences**

Invited talks

1. Kinectricks: Space-time Capture of Dynamic Objects using Hybrid Cameras, McGill University, 28.3.2014
2. "The World at Your Geometricks", Invited recruiting talk at Concordia University, Canada, Quebec, Montreal, 2013-03-01
3. "The World at Your Keyboard-tips", Invited, recruitment talk at Uniersite Laval, Canada, Quebec, Quebec City, 2013-02-12
4. "Spatial-temporal Surface Acquisition Before and After the Kinect", Computer Graphics International 2012, United Kingdom, Bournemouth, 2012-06-15
5. "Towards Unencumbered 3D Teleconferencing Systems", Invited talk at Technion, Haifa, Israel, Israel, Haifa, 2012-04-30
6. "The World at Your Geometricks: Detailed Space-time Capture of Deforming
7. Objects", Invited talk at Universite de Montreal, Canada, Quebec, Montreal, 2011-02-28
8. "Multi-view Geometric Reconstruction of Detailed Garment Motion", Invited talk at INRIA, Grenoble, France, France, Grenoble, 2009-04-30
9. "Detailed Geometric Capture of Garment Motion", Workshop on Computational Mathematics of Discrete Surfaces, Canada, Alberta, Banff, 27.2.2009

Achievements

- [Alain Fournier Ph.D. Thesis Annual Award](#), 2009
- NSERC Postdoctoral Fellowship, *Jan 2010-Dec. 2012*
- 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*

Teaching Experience

- Designed and Taught “Digital Geometry and Modeling” at Concordia University, Winter 2014
- Designed and Taught “Mathematgical Foundations of Visual Computing” at Concordia University, Fall 2017
- Taught the undergraduate Algorithm Data Structures class at Concordia Winter 2018, Winter 2019
- Taught the graduate Advanced Algorithms class at Concordia, Winter 2018, Winter 2019
- Taught “Computer Animation for Games” at Concordia University Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018
- Taught “Introduction to Computer Graphics” at Concordia University Winter 2014
- Co-designed and Co-taught the “Mathematical Foundations of Computer Graphics and Vision” course at ETH in the Winter 2011/2012 academic semester.
- Co-taught the “Surface Representation and Geometric Modeling” course at ETH in the Winter 2010/2011 academic semester.
- Co-taught the “Advanced Topics in Computer Graphics and Vision” seminar course at ETH in the Winter 2009/2010and Fall 2010/2011 academic semesters.
- I held Teaching Assistant positions for 6 terms during my Masters and PhD programs

Relevant Activities

- Program co-chair Graphics Interface 2016
- Poster program chair Graphics Interface 2015
- Member of the PERFORM center (<http://www.concordia.ca/research/perform.html>)
- Member of the departmental Professional PhD Committee
- Program committee of the Conference on Computer Animation and Social Agents (CASA) 2012, 2013
- Program committee for International Conference on 3D Vision 2012, 2013
- Program committee of Graphics Interface 2015
- Poster program chair for Graphics Interface 2015
- Program committee for the poster program at SIGGRAPH (several years)
- Paper reviewers for SIGGRAPH, SIGGRAPH Asia and Eurographics (nearly every year)

- Paper reviewer for Pacific Graphics conference 2011
- Paper reviewer for IEEE Transactions of Visualization and Computer Graphics (2013, 2014)

Languages

- Romanian (native), English (fluent), French (conversant)

Nationalities

- I held Romanian and Canadian citizenships

Notes

- I was on parental leave from January – August 2015