



EDUCATION

- 2012 - 2014 **University of Toronto**
Toronto, ON Master of Science in Biomedical Communications (Dean's List)
- 2007 - 2012 **University of Guelph**
Guelph, ON Bachelor of Science in Environmental Sciences, Major in Ecology (Dean's Honours)
- 2004 - 2007 **Earl Haig Secondary School**
Toronto, ON Claude Watson Arts Program, Visual Arts Major (Honours)

CONTINUING EDUCATION

- In Progress **Certified Medical Illustrator**
Toronto, ON Part 1 completed, Part 2 in progress
- In Progress **University of Toronto, School of Continuing Studies**
Toronto, ON Public Health and Science Writing, in progress

WORK EXPERIENCE

- Oct 2014 - present
Toronto, ON **Perioperative Interactive Education (PIE), *Multimedia Biomedical Communications Specialist***
Toronto General Hospital, Department of Anesthesia
- Helped establish a 2D motion graphic division for patient education
 - Translated ideas from clinicians into scripts and storyboards
 - Used visual metaphors to tell compelling stories in 2D and 3D animations
 - Brought animations to life with effective sound design and voice acting
 - Experience with creating information architectures and wireframes for websites
- 2013 & 2014
Summer
Toronto, ON **Perioperative Interactive Education, *Intern***
Toronto General Hospital, Department of Anesthesia
- Combined video footage and 3D models to create a lap chole animation
 - Created illustrations for the "Virtual Interactive Case System"
- Sept 2014 - Dec 2014
Teaching Assistant
University of Toronto, Department of Biology
- Assisted with "Imaging Technologies for Scientific Visual Communication"
- May 2012 - Aug 2013
Toronto, ON **Institute of Medical Science Research Video Pilot Series, *Intern***
University of Toronto, Institute of Medical Science
- Interviewed researchers and filmed B-roll footage to create promotional videos
- March 2013 - November 2013
Toronto, ON **Toronto Notes for Medical Students, *Art Editor***
University of Toronto, Faculty of Medicine
- Acted as a liaison between a team of medical illustrators and Toronto Notes to create a reference manual with visual aids for medical licensing exams
- May 2011 - April 2012
Guelph, ON **Insect Systematics Lab, *Scientific Illustrator/ Research Assistant***
University of Guelph- Ontario Ministry of Agriculture and Food Rural Affairs
- Published a web based stink bug identification tool (~200 images)
 - Dissected, cleared and mounted specimen for Drosophila genitalia illustrations



LIST OF PRESENTATIONS

- 2014 **Biocommunication Academic Meeting**
Toronto, ON • “Sketchfab: Embedding an interactive 3D viewer” workshop
- 2012, 2011 **Ontario Fruit and Vegetable Convention and Emergency Management Research Expo**
Niagara, ON
Guelph, ON • Tested usability of the interactive stink bug identification key prototype

LIST OF PUBLICATIONS

Pairo, S. M., Marshall, S. A., McPherson, J. E., Ma, M-S. (2013). Stink bugs (Pentatomidae) and parents bugs (Acanthosomatidae of Ontario and adjacent areas: A key to species and a review of the fauna. *Canadian Journal of Arthropod Identification*. 24, 1.

AWARDS & ACHIEVEMENTS

- 2013 - 2015 **Assistant Captain of Canadian Women’s Kendo Team, placed Top 8**
16th World Kendo Championships, Japan
- 2014 **Award of Merit - Student Didactic/ Instructional/ Anatomical Category**
Association of Medical Illustrators
- 2013 & 2014 **Educational Information Technology Summer Student Program Award**
University of Toronto, Faculty of Medicine, Office of Integrated Medical Education
- 2013 **Research Stipend**
University of Toronto, Department of Immunology
- 2012 **Institute of Medical Science Entrance Award**
University of Toronto, Institute of Medical Science
- 2011 **The Undergraduate Student Experiential Learning Project**
University of Guelph and Ontario Ministry of Agriculture and Food
- 2011 **Emergency Management Research Expo, Best Poster Design**
University of Guelph and Ontario Ministry of Agriculture and Food
- 2009 **Runner Up**
Microsoft Zune Campus Art Competition

VOLUNTEER EXPERIENCE

- 2014 & 2015 • Community practices for female kendo athletes, *Organizer*
- 2014 • Biocommunication Academic Meeting (BAMTO) Toronto 2014, *Co-chair*
- 2014 • Peel Science Animation Festival, *Judge*

TECHNICAL SKILLS

Illustration & Design

- Adobe Photoshop
- Adobe Illustrator
- Adobe InDesign

3D Modelling

- Autodesk Maya
- Autodesk Mudbox
- Ozirix
- Cinema 4D
- Daz Studio

Compositing

- Adobe Premiere Pro
- Adobe After Effects
- Adobe Audition

Programming

- Adobe Dreamweaver
- HTML5
- CSS