

Jean Yi-Chun Lin

Biomedical and Scientific Visualization

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EDUCATION

- Aug 2012- July 2014 **M.Sc. in Biomedical Communications**
Institute of Medical Science, Faculty of Medicine, University of Toronto, Toronto, ON
- Sep 2010-April 2012 **Visual Arts Certificate in Studio**
Nova Scotia College of Art and Design University, Halifax, NS
- Sep 2004-June 2008 **B.Sc. in Life Science**
Department of Life Science, College of Life Science, National Taiwan University, Taiwan

WORK EXPERIENCE

- May 2018- Present **Senior Specialist, Biomedical Multimedia Communications**, Toronto Video Atlas of Surgery, University Health Network
- Setup and capture high quality surgery footage in the operating room
 - Create accurate 3D anatomical models based on medical imaging data
 - Work closely with surgeons and surgical fellows and conduct further researches to create video scripts that highlight the key educational aspects of the surgical procedures
 - Edit and composite the video footage with 3D animations to visualize and increase understanding of complex surgical steps and anatomical structures
- Jan - May 2018 **Education Specialist**, Digital Education, UHN Digital, University Health Network
- Designed and developed interactive, game-based e-learning modules for nursing training courses
 - Created effective 2D animations and graphics to engage learners and facilitate storytelling
- Sep 2016- May 2018 **Senior Specialist, Biomedical Multimedia Communications**, Perioperative Interactive Education, University Health Network
- Provided visual and technical expertise to assist establish the project directions and scope
 - Designed and developed interactive medical educational tools for both medical professionals and patients
 - Created animations, illustrations and 3D assets to increase understanding of complex medical concept
 - Communicated with stakeholders and planned production schedule to better team collaboration and efficiency
 - Managed and guided interns to complete project in time with excellent result
 - Conducted usability assessment of patient educational tools to refine and improve user experience
- Sep 2014- Sep 2016 **Specialist, Biomedical Multimedia Communications**, Perioperative Interactive Education, Toronto General Hospital
- Designed and developed interactive educational tools for online continuing medical education
 - Created animations, illustrations and 3D assets to visualize complex medical concept
 - Worked with medical experts and conducted further studies on the medical content to ensure scientific accuracy
- Dec 2013- Sep 2014 **Research Analyst**, Perioperative Interactive Education, University Health Network
Created additional 3D anatomical models and animations for the lung ultrasound education module
- May 2013-July 2014 **Institute of Medical Science Magazine Design Editor**, University of Toronto
Collaborated with staff and other students in Institute of Medical Science to design magazine layout and create illustrations for the quarterly magazine
- June-Aug 2013 **Educational IT Summer Student**, Perioperative Interactive Education, University Health Network
Designed and developed an online interactive module to assist with teaching and learning lung ultrasound

- May 2013- May 2014 **Toronto Notes Medical Illustrator**, University of Toronto
Created medical illustrations for Toronto Notes, a textbook for medical students published both in print and online
- July 2008–May 2010 **Research Assistant**, Institute of Ecology and Evolutionary Biology, National Taiwan University, Taiwan
Conceptualized, managed and created various educational and database websites founded by government institutes to facilitate research projects and to engage the public’s interest in ecology

AWARDS AND SCHOLARSHIP

- 2014 **Wendy M. Kates Memorial Award**
for MScBMC students graduating with high academic achievement in the Master’s Research Project
- 2013 **Quebec Pain Research Network (QPRN) Scholarship**
for Master’s Research Project “Patient Education Visualization for Chronic Low Back Pain”
- 2012 **Institute of Medical Science Entrance Award**, University of Toronto
for students with high academic standing
- 2009 **Panda Conservation Postcard Design Contest Excellent Award**, Taipei Zoo, Taiwan

TECHNICAL SKILLS

- Digital Design Adobe Photoshop, Illustrator, InDesign, Dreamweaver, Flash
- Video Production Adobe After Effects, Premiere Pro
- 3D Autodesk Maya, Mudbox, Maxon Cinema 4D, OsiriX
- Web programming HTML5, CSS3, JavaScript, ActionScript 3.0, Bootstrap, Wordpress
- Traditional Media Graphite, Pen & Ink, Carbon dust, Watercolor, Acrylic, Pastel
- Languages English, Mandarin Chinese

COMMUNITY VOLUNTEER

- May 2013 Student Volunteer, Institute of Medical Science Scientific Day, Toronto, ON
- July 2012 Student Volunteer, 68th Annual Meeting of the Association of Medical Illustrators, Toronto, ON
- July 2011-2012 ESL Class Assistant, Immigration Settlement and Integration Service Center, Halifax, NS
- July 2011-2012 Museum Guide, Museum of Natural History, Halifax, Nova Scotia
- July 2011 Class Assistant, Children’s Art Camp at the Art Gallery of Nova Scotia, Halifax, NS