Andrew Q. Tran

Biomedical Communicator + Product Designer

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San Jose, California

TECHNICAL EXPERIENCE

CREATIVE TECHNOLOGY

Human-centered design process, UX, UI, interaction, visual design; research, wireframe, prototype, usability testing; storyboard, animation, compositing

Adobe: Photoshop, Illustrator, Dreamweaver, After Effects, Edge Animate, Flash, Fireworks, InDesign

Front-end Dev.: HTML5, CSS3, PHP, WordPress, jQuery, Foundation, Bootstrap, ZenCart, Agile, git, InvisionApps

3D: Maya, Mudbox, 3D-Coat, Cinema4D, autoPack, ePMV, Chimera, OsiriX

Traditional: Graphite, carbon dust, pen & ink, watercolor, oil painting

BIOMEDICAL RESEARCH

Expertise and working knowledge on a wide variety of research software, preclinical imaging modalities, *in vivo* and *in vitro* techniques

Scientific & medical knowledge: Biochemistry, ecology, anatomy, immunology, molecular biology, neurobiology, nuclear medicine, oncology, pathology, physiology, psychology, radiology

AWARDS

Code-a-thon Winner, Validic (2014)
Vesalian Scholar Award (2014)
Best Poster Presentation, 2nd (2014)
CIHR Scholarship (2013)

EDUCATION

MSc, Biomedical Communications
University of Toronto

BS, Psychobiology
University of California, Los Angeles

EMPLOYMENT EXPERIENCE

Scientific Graphic Designer (08/2014 - 07/2015)
University of Southern California · Inst. for Neuroimaging and Informatics

- Designed an in-house financial dashboard web app (REBL), including user research, wireframing, visual design and interactive prototype.
- Optimized performance, increased usability for a big data visualizer (GAAIN)
- Produce data visualizations, illustrations, 3D brain and neural networks for multi-million dollar grant applications. Work featured on major publications.
- Create responsive design mockups, style guides, prototypes & iconography for multiple web applications and websites
- Engage stakeholders, decision makers, users; collaborate with engineers

Storyboard Artist (05/2015 - **Present**; Part-time)
Dynamoid Apps (Science Game Development studio)

- Create animation storyboards for a Biochemistry digital textbook using 3D molecular structure from Chimera; wireframes for interactive test components

Designer + Front-end Developer (12/2014 - **Present**; Part-time)
AlzCare Labs (FindMe: Personal safety beacon for Alzheimer's individuals)

- Develop & maintain fundraising website; optimize to increase conversion
- Illustrate and produce infographics for blog and social media; designed pitch deck
- Created wireframes and mockups for mobile app UI and UX

Design Consultant + Medical Illustrator (2005 - **Present**; Independent)

- Design and develop websites, establish branding, for academic laboratories and centers, small businesses, and biotech start-ups
- Illustrate original scientific research for publications and textbooks

Teaching Assistant (2014)
University of Toronto, Mississauga · Biomedical Communications

- Prepared, conducted labs on interactive visualization for the web (HTML, CSS, d3.js) in Data and Information Visualization

Web Technology Development Associate (2012 - 2014; Work-Study)
University of Toronto, Mississauga · Biomedical Communications

- Implemented online tech support to streamline problem resolution

Research Associate II (2012; via R&D Partners)
Novartis Inst. for Biomed. Research · Oncology-Pharmacology

- Established a new inventory system to efficiently streamline animal reports

Senior Research Associate (2011; via R&D Partners)
Amgen, Inc. · Metabolic Disorders · Bone Diseases

- Established new measurement methods and data analysis for *in vivo* X-rays

Staff Research Associate II (2008 - 2011)
University of California, Los Angeles · Pharmacology

- Designed logo for division; liaison between external web team and department
- Created 3D fly-through video of a new preclinical suite
- Set up an efficient lab supplies database system for ordering and inventory

LEADERSHIP POSITIONS

Director of Branding & Promotion
(2014) Biocommunication Academic Meetings, Toronto 2014

Student Representative
(2013 - 2014) Biomedical Communications Alumni Association

Senior Design Editor (2013 - 2014)
Institute of Medical Science Magazine

COMMUNITY OUTREACH

Mentor (2015)
UCLA Circle K Career Development

Judge (2014)
Peel Region Science Animation Festival

Volunteer (2012)
Novartis Community Partnership Day, supporting local communities & charities

Judge (2010 - 2014)
FBLA-PBL California State Business Leadership Conference

Runner (2010)
Honda Los Angeles Marathon
25th anniversary

Runner (2006 - 2009)
UCLA 5K Run/Walk,
benefiting Mattel Children's Hospital

MEMBERSHIPS

Association of Medical Illustrators
(2013 - Present)

ACM Special Interest Group on Computer Graphics (SIGGRAPH)
(2013)

PUBLICATIONS

Schwarzenberg J, Radu CG, Benz M, Fueger B, **Tran AQ**, Phelps ME, Schiepers C (2011). Human biodistribution and radiation dosimetry of novel PET probes targeting the deoxyribonucleoside salvage pathway. European journal of nuclear medicine and molecular imaging, 38(4), 711-721. (**Tran AQ**: all illustrations)

Shu CJ, Campbell DO, Lee JT, **Tran AQ**, Wengrod JC, Witte ON, Radu CG (2010). Novel PET probes specific for deoxycytidine kinase. Journal of Nuclear Medicine, 51(7), 1092-1098. (**Tran AQ**: 1 illustration)

SELECTED PUBLISHED ILLUSTRATIONS

Toga AW (2015). *Brain Mapping: An Encyclopedic Reference*. Burlington: Elsevier Science. (**Tran AQ**: cover image)

Hall J, Premji A (2015). *Toronto Notes 2015: Comprehensive Medical Reference and Review for MCCQE and USMLEII*. (**Tran AQ**: 2 illustrations)

Ng QKT, Olariu CI, Yaffee M, Taelman VF, Marincek N, Krause T, Meier L, Walter, MA (2014). Indium-111 labeled gold nanoparticles for in-vivo molecular imaging. *Biomaterials*, 35(25), 7050-7057. (**Tran AQ**: 1 illustration)

Vojvodic M, Young A (2014). *Toronto Notes 2014: Comprehensive Medical Reference and Review for MCCQE and USMLEII*. (**Tran AQ**: 3 illustrations and all icons)

Yaghoubi SS, Campbell DO, Radu CG, Czernin J (2012). Positron emission tomography reporter genes and reporter probes: gene and cell therapy applications. *Theranostics*, 2(4), 374. (**Tran AQ**: 1 illustration)

SYMPOSIUM PRESENTATIONS

Tran AQ, De Koninck Y, Corrin MC, Dryer M (2014). Beyond the diffraction barrier: An overview of super-resolution microscopy as applied to neurobiology. *Association of Medical Illustrators Annual Meeting*, Rochester, MN. (International, Presentation & Poster)

Tran AQ, De Koninck Y, Corrin MC, Dryer M (2014). Beyond the diffraction barrier: An introductory 3D animation and an interactive module of super-resolution microscopy as applied to neurobiology. *University of Toronto Mississauga Research Excellence Celebration*, Mississauga, ON, Canada. (Poster)

Lee JT*, Wong K-P, Yang Y, **Tran AQ**, Satuamurthy N, Phelps ME, Schiepers C, Czernin J, Huang S-C, Radu CG (2010). Kinetics of 18F-FAC and L- 18F-FMAC PET probes for imaging nucleoside salvage metabolism. *Society of Nuclear Medicine 57th Annual Meeting*, Salt Lake City, UT. (Poster)