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EDUCATION

Master of Science in Biomedical Communication

Sept 2021 - Present

University of Toronto (Toronto, ON)

♦ CGPA: 3.98

♦ Expected completion date July 2023

Certificate in Biomedical Visualization and Communication

Jan 2021 - Dec 2021

University of British Columbia (Vancouver, BC)

Bachelor of Science, Major in Biochemistry University of British Columbia (Vancouver, BC)

♦ Dean's Honour List 2017W

Sept 2013 – May 2018

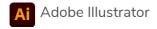


SOFTWARE





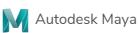
















EXPERIENCE

Digital Anatomy Education Resource Developer

Sept 2022 – Present

University of Toronto (Toronto, ON)

- ♦ Assist in the design, development, and implementation of a gamified interactive educational resource for students learning human anatomy
- ♦ Develop 2D/3D models and digital learning tasks that enhance student learning
- ♦ Conduct user testing to evaluate the design of the interface and identify problem areas

Senior Research Technologist

July 2018 - Aug 2021

STEMCELL Technologies Inc. (Vancouver, BC)

- ♦ Developed products supporting human pluripotent stem cells to liver cell differentiation
- ♦ Summarized complex experimental data into presentable slides and reports for interand intra-departmental communication

Research & Development Intern

June 2016 – April 2017

Berkeley Lights Inc. (Emeryville, CA)

- ♦ Optimized lymphocyte expansion, sorting, and processing SOPs to improve the scalability and feasibility of endogenous T-cell therapy for cancer treatment
- ♦ Developed and implemented a novel hydrogel-based secretion assay for cytokine detection in nanofluidic devices proprietary to the company (US patented)

PUBLICATIONS

"Gut It Out: An Anatomy Card Game and Study Tool for Medical Students." Conference proceedings of American Association for Anatomy (AAA). Annual Experimental Biology Meeting 2022. (Abstract).

Meseguer-Ripolles, J., Wang, Y., Sorteberg, A., Sharma, A., Ding, N. L., Lucendo-Villarin, B., Kramer, P., Segeritz, C. P., Hay, D. C. "Hepatic Progenitor Specification from Pluripotent Stem Cells using a Defined Differentiation System." Journal of Visualized Experiments, no. 159, 2020. doi:10.3791/61256.

"Sequencing and cloning IDH1 R132H-targeted monoclonal T cell receptors from CD4+ T cells facilitated by opto-electro-positioning technology." Conference proceedings of American Association for Cancer Research (AACR). Annual Meeting 2018. (Abstract).



AWARDS & EXTRACURRICULARS

Vesalian Scholar Award, 2023

Vesalius Trust, Association of Medical Illustrators (AMI)

♦ For, 'NavEDI: Navigating EDI in the Psychiatric ER Through a Narrative Video Game'

BMC Curriculum Committee Member

July 2022 - Present

University of Toronto (Toronto, ON)

- ♦ Participate in curriculum development discussions aimed at improving the educational experience of students in BMC
- ♦ Attend scheduled meetings and conduct student surveys as needed

Student Guest Speaker

Oct 14, 2022

Western University, Schulich IPEIC Student-to-Student Talk (Virtual)

- ♦ Presented on the topic of biocommunication to medical students in order to spark dialogue between the adjacent fields
- ♦ Introduced students to the breadth of biomedical communications work and the importance of collaboration and accessibility in the field

Trust-A-Thon Challenge Participant

Sept 2022

Vesalius Trust (Virtual)

- ♦ Assisted the development of Floresta, an interactive visual narrative designed to inspire better sleeping habits through an educational and fun approach
- ♦ Designed and created 3D environments in Blender that enhanced the user experience

Trust-A-Thon Challenge Participant

Sept 2021

Vesalius Trust (Virtual)

- \diamond Contributed to the creation of Postdemic, a 2D narrative comic about the COVID-19 pandemic and the path forward from this global disaster
- ♦ Responsible for creating clean line art and blocking in the base colors for each page
- ♦ The project won the People's Choice award for the event

Creative Team Executive Member

Oct 2015 – Apr 2015

UBC Dance Horizons Club (Vancouver, BC)

- ♦ Designed and generated marketing materials (e.g. posters, flyers, banners) promoting the club's events and classes to students as well as potential sponsors
- ♦ Responsible for photographing and editing images from club events and performances