

AVA SCHROEDL

Skills

Adobe Creative Suite

Photoshop
Illustrator
AfterEffects
InDesign

Procreate

Maxon Cinema 4D
Pixologic ZBrush
Autodesk Maya
UCSF Chimera
Pymol

Awards and Exhibitions

Vesalius Trust 2021 Research Grant

“Animation as an informing and encouraging tool for the usage of HIV self-tests”

AMI 2021 Salon Award of Merit

“Managing our Waste”

AMI 2020 Salon Award of Merit

“Mapping the Binding Site of the Opioid Antidote”

2016 BPMI Student Exhibition

Arts on Grand Gallery
Spencer, IA

Education

Master of Science in Biomedical Communications (BMC)

University of Toronto. Toronto, ON

Bachelor of Arts in Biological and Pre-Medical Illustration (BPMI)

Iowa State University. Ames, IA

Magna Cum Laude. Minor in Women's and Gender Studies

Study abroad - Istituto Venezia. Trieste, Italy

Professional Experience

Medical Illustrator (Contract)

Jan. 2022 - present

New England Journal of Medicine. Boston, MA (Remote)

- Visualizes complex scientific concepts in animations called Quick Takes, published on the NEJM website and their social media accounts
- Works closely with NEJM editors, writers, designers, and authors (scientists) to better visualize detailed research findings
- Handles simultaneous deadlines for projects related to Quick Takes, such as TWeek image files, and Research Summary files (data visualization)
- Collaborates with web content team to ensure all files are formatted for online and print distribution

Freelance Biomedical Illustrator

June 2019 - present

Self-employed. Chicago, IL

- Plans, drafts, and renders illustrations for scientific magazine covers and research lab web graphic, often molecular subjects
- Creates and edits storyboard documents for clinician-focused continuing education (CME and CNE credit eligible) YouTube videos
- Edits research manuscript figures to improve data visualization
- Prioritizes tight deadlines while working on multiple projects

Senior Illustrator

Oct. 2021 - present

Designs that Cell. Halifax, NS (Remote)

- Creates editorial and didactic scientific illustrations, visual abstracts, and figure illustrations for research audience and publication

Teaching Assistant

Sept. 2019 - April 2021

University of Toronto. Toronto, ON (Remote)

- Led weekly software demonstrations for class of approx. 40 students
- Graded scientific illustration and presentation design assignments

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Volunteer Experience

IMS Magazine Designer
Institute of Medical Science
June 2020 - June 2021

BMC Anti-Racism Working Group
June 2020 - present

BMC/BVIS Exchange Workshop Coordinator
Nov. 2019 - Feb. 2020

Rehab Ink Magazine Illustration Contributor
Fall 2019

BPMI Club President
Aug. 2018 - May 2019
Vice President
Aug. 2017 - July 2018

Figure Drawing Co-op Chair
Aug. 2016 - May 2017

Professional Experience Cont.

Infographic Designer (Practicum)

July 2020 - Aug. 2020

Department of Anthropology, University of Toronto.
Toronto, ON (Remote)

- Pitched ideas and shared progress with team: Nutrition International, Campbell Collaboration, and University of Toronto
- Condensed complex concepts into multiple infographics

Web Technology Development Associate

Sept. 2019 - Aug. 2020

Department of Biomedical Communications, University of Toronto.
Toronto, ON (Hybrid)

- Updated official BMC website and managed ongoing digital archival of Master's research projects for internal department access
- Altered HTML code for cranial nerve study tool
- Installed software updates and held weekly troubleshooting sessions in department's computer lab

Herbarium Technician

Nov. 2016 - May 2019

Ada Hayden Herbarium, Iowa State University. Ames, IA

- Prepared and mounted new plant and fungus samples for herbarium sheets and restored presentation of damaged sheets
- Entered detailed sample data and photographs into online database for national dissemination

Motion Graphics and Illustration Intern

June 2018 - Aug. 2018

Meditech Communications Inc. St. Paul, MN

- Animated balloon stent motion graphic for a promotional prototype
- Created patient education illustrations about breastfeeding
- Integrated reproductive anatomy visuals and text into storyboard format serving as a template for clients and for in-house animators
- Drafted a mood board for a neurological health client

Scientific Illustrator

Aug. 2017 - May 2018

Department of Biomedical Sciences, Iowa State University. Ames, IA

- Created visuals and enhanced layout for a developing interactive mobile app about *Canis familiaris* (dog) anatomy
- Collaborated with professors to illustrate publication figures and classroom tools
- Edited research manuscripts