

# AVA SCHROEDL

Biomedical Visualization

## Contact

avaschroedl@gmail.com

612 703 2302

www.avaschroedl.com

## 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)

2019 - 2021

University of Toronto. Toronto, ON

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

2015 - 2019

Iowa State University. Ames, IA

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

### Study abroad - intensive Italian language course

Summer 2018

Istituto Venezia. Trieste, Italy

## Professional Experience

### Contract Medical Illustrator

Sept. 2021 - present

SciStories LLC. Southborough, MA (Remote)

- Collaborates with team of medical illustrators and project managers to create editorial illustrations for scientific magazine covers and (print and digital), research lab web graphics, and website banner illustrations
- Edits research manuscripts to improve data visualization
- Prioritizes tight deadlines while working on multiple projects

### Freelance Illustrator

June 2019 - present

Self-employed. Chicago, IL (Remote)

- Creates visual abstracts and figure illustrations for publication
- Communicates directly with PhD and MD authors
- Edits research manuscripts

### Senior Illustrator

Oct. 2021 - present

Designs that Cell. Halifax, NS (Remote)

- Creates editorial and didactic scientific illustrations for researchers

### 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)

- Managed ongoing digital archival of master's research projects for internal department access
- Altered HTML code for cranial nerve study tool
- Installed software updates in department's computer lab
- Held weekly troubleshooting sessions with peers
- Updated official BMC website

**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