

# Viola Yu

## ART EXHIBITIONS & COMMISSIONED WORK

### Senior Art Exhibit

Lehigh University, Bethlehem, PA

Selected to create personal show titled: "The Self During Unprecedented Times". The exhibition explored my personal experience as an Asian American during the COVID-19 pandemic.

April 2021



May 2021

### Scientific Paper Illustration

Lehigh University, Bethlehem, PA

Created illustration for Professor Nathan Wittenberg's manuscript: "Detection and Characterization of Vesicular Gangliosides Binding to Myelin-Associated Glycoprotein on Supported Lipid Bilayers" in the Analytical Chemistry Journal.

Sept. 2020



Nov. 2020

### Visualizing Brain Function (Textbook & Exhibition)

EW Fairchild-Martindale Library at  
Lehigh University, Bethlehem, PA

Was awarded a "Visualizing the Brain" Fellow to collaborate with Professor Jennifer Swann to create 10 -15 medical/scientific illustrations and digital animations for her open-source neuroanatomy textbook "Neurobiology of Social Behavior". Also prepared pieces for "Portraits of the Brain: Visualizing Behavior" art exhibition and "Sketching as a way of Research": art exhibition that shows how artists explore research through visualization.

May 2020



Oct. 2020

### Commissioned Skeletal Anatomy Illustrations

Ecology and Evolutionary Biology Teaching Labs  
at Princeton University, Princeton, NJ

Worked with lead PI of the EEB Teaching Labs to create cat and fox skeletal anatomy illustrations for publication in future class laboratory manuals

Aug 2018



June 2019

### Nature Themed Murals

Albert R. Mann Library at Cornell University,  
Ithaca, NY

Planned out complex, multi-canvas wall mural and directly painted wall mural illustrating and emphasizing the immense biodiversity in terrestrial, wetland, intertidal, and marine underground/underwater ecosystems.

Aug 2017



May 2018

## ART GRANT FUNDING

Humanities Lab Research Grant  
from The Andrew W. Mellon  
Foundation

[\$10,000]: Awarded in 2020

## RESEARCH GRANT FUNDING

Hatch/Multistate Funds for  
Undergraduate Student Research at  
Cornell University

[\$1,000]: Awarded in 2017

## EDUCATION

UNIVERSITY

OF TORONTO

Sept. 2021



Present

Masters of Science in  
Biomedical Communications

LEHIGH

UNIVERSITY

Aug. 2019



May 2021

BA in Graphic Design  
[Minor in Fine Arts]

Cumulative GPA:

3.9 on 4.0 scale

Dean's List:

Fall '19, Spring '20,

Fall '20, Spring '21

Computer Software:

Adobe Photoshop,

Adobe Illustrator,

Adobe InDesign,

CSS, HTML

Teaching Experience:

Teacher's Assistant for

Drawing II class

CORNELL

UNIVERSITY

Aug. 2014



May 2021

BS in Environmental  
Science and Sustainability

Cumulative GPA:

3.4 on 4.0 scale

Dean's List:

Fall 2015, Spring 2018

Computer Software:

R, Python

## CONTACT INFORMATION

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## ART MENTORSHIP

### Artist Assistant/Intern

Greco Studios, Bethlehem, PA

Sept. 2020

▼  
May 2021

- Studied under professional fine artist Barbara Greco where she assists in developing my application art portfolio for medical illustration masters programs
- Created social media promotional material, logo and updated Greco's website

## ART TEACHING EXPERIENCE

### Children's Art Teacher

The Baum School of Art,  
Allentown, PA

April 2020

▼  
Aug 2020

- Created engaging art lesson plans for elementary-aged children
- Maintained all necessary materials and demonstrated different techniques
- Entertained and kept students engaged in the entire lesson with additional projects and prompts

### Teacher's Assistant

Drawing II class at

Lehigh University, Bethlehem, PA

Jan. 2020

▼  
May 2020

- Prepared, organized and maintained class materials
- Photographed, installed, and archived art exhibitions
- Contributed to teaching students in class with one-on-one informal critiques and demonstrations

## WORK EXPERIENCE

### Research Specialist I

Ecology and Evolutionary  
Biology Teaching Labs at

Princeton University, Princeton, NJ

July 2018

▼  
June 2019

- Instructed TAs how to run undergraduate laboratory classes EEB 211 (Chaos and Clockwork) and EEB 314 (Comparative Physiology)
- Conducted live animal/dissection demonstrations including sheep brain, dogfish shark brain and nervous system, and fetal pig circulatory system
- Taught fundamental concepts, and answered questions/assisted students during labs

## RESEARCH EXPERIENCE

### Research Honors Thesis

Natural Resource Laboratory at  
Cornell University, Ithaca, NY

Oct. 2016

▼  
June 2018

- Worked on an independent research project: "Understanding Response of Peatland Species Composition to Atmospheric Pollution in Northern, Ontario, Canada Using Paleoecological Techniques" under supervision of Professor Joseph Yavitt
- Processed peat cores through loss-on-ignition analysis, carbon-14 dating, and macrofossil analysis of Sphagnum mosses

### Independent Research Project in Whitmore Lab

Natural Resource Laboratory at  
Cornell University, Ithaca, NY

Sept. 2020

▼  
Dec. 2017

- Worked on an independent research project: "Post-aestivation Development of Hemlock Woolly Adelgid (HWA)" under supervision of postdoc scientist, Dr. Samita Limbu

### NSF-Funded Research Experience for Undergrads (REU)

Global Change Ecology Lab at Virginia Institute  
of Marine Science, Gloucester Point, VA

June 2017

▼  
Aug. 2017

- Worked on an independent research project: "Physical and Biological Causes of Resuspension of Marsh Surface Sediment" under supervision of advisors: Professor David S. Johnson and his graduate student Bethany Williams

### Research Assistant in Field & Lab

Annot Teaching and Research Forest at  
Cornell University, Ithaca, NY

June 2016

▼  
Dec. 2016

- Provided field support in remeasuring the size and density of seedlings, saplings, and mature trees in 26 permanent plots
- Assisted a visiting silvicultural scientist from China to evaluate the causes of forest changes

### Ecological Research Assistant Ecology and Evolutionary Biology Laboratory at Cornell University, Ithaca, NY

Aug. 2015

▼  
Aug. 2016

- Provided research support for a project on how disturbance affects aquatic macroinvertebrate in Andean stream communities

### Naturalist Intern

Pool Wildlife Sanctuary for the  
Wildlands Conservancy, Emmaus, PA

June 2015

▼  
July 2015

- Assisted seasoned naturalists in preparing presentations of a vast array of hands-on, nature-based programs to summer camps, public schools and community groups from the Lehigh River watershed