

Mary Nguyen

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Biomedical illustrator interested in enhancing the communication of complex scientific and medical information through extended reality technology.

EDUCATION

MFA Medical Illustration

Thesis: "Visualizing Visual Neural Pathways in Virtual Reality"

August 2021 — May 2023 **Rochester Institute of Technology** Rochester, NY

Courses:

- 3D Modeling Mastery
- Foundations of HCI
- Surgical Illustration
- Interactive Media
- Scientific Visualization
- Human Gross Anatomy

BS Biology, Minors in Psychology & Chemistry

August 2016 — May 2020 **University of Missouri-Kansas City** Kansas City, MO

Courses:

- Cell Biology
- Genetics
- Endocrinology
- Biochemistry
- Organic Chemistry
- Social Psychology

WORK EXPERIENCE

RIT Personalized Healthcare Technology Scientific Illustrator

Rochester Institute of Technology

April 2022 — Present Rochester, NY

Collaborate with researchers to create 2D and 3D media for publication in various journal articles, websites, and promotional materials.

RIT 3D Modeling & Anatomic Studies Graduate Assistant

Rochester Institute of Technology

April 2022 — Present Rochester, NY

Provide hands-on assistance to undergraduate and graduate-level students for 3D software issues.

Out of Line Apparel Founder & Creative Director

A Streetwear Company

January 2019 — Present

Design and manage campaigns, collection launches and garments.

UMKC Laboratory Research Assistant - Dr. Bouyain Lab

University of Missouri-Kansas City

January 2019 — July 2020 Kansas City, MO

Assisted in researching the relationship between cell adhesion proteins and Alzheimer's disease. Performed gel electrophoresis and plasmid preparation.

UMKC Clinical Research Assistant - SilverRoo Lab

University of Missouri-Kansas City

September 2018 — September 2019 Kansas City, MO

Conducted surveys and collected data at a hospital as part of a research study.

Freestyle Signs Co. Graphic Designer

August 2013 — May 2016

Wichita, KS

Produced creative concepts, graphic designs and prepared technical specifications for custom signs, vinyl graphics and custom displays.

SKILLS

- Adobe After Effects
- Adobe Illustrator
- Adobe Indesign
- Adobe Photoshop
- Autodesk Maya
- Autodesk Mudbox
- Chimera
- Cinema 4D
- Corel Draw
- Figma
- Pymol
- Zbrush

PUBLICATIONS

Advanced Materials Interfaces

Journal Back Cover Design

Gold Nanoparticle Enabled Localized Surface Plasmon Resonance on Unique Gold Nanomushroom Structures for On-Chip CRISPR-Cas13a Sensing (2023)

Langmuir

Journal Cover Design

On-Demand Fully Enclosed Superhydrophobic Optofluidic Devices Enabled by Microstereolithography (2022)

Lab on a Chip

2D Illustration

Computer vision enabled funnel adapted sensing tube (FAST) for power-free and pipette-free nucleic acid detection (2022)

FEATURED PROJECTS

Chipotle

Wall Mural

Designed multiple interior wall murals displayed in Chipotle restaurants across the United States

Rochester Institute of Technology

Poster Design

Designed promotional material for RIT's Research Vitals Seminars

Welcome to Wichita, Dr. MLK Jr. Mural

Wall Mural

Designed and painted a public mural featuring landmarks of Wichita, KS and Dr. Martin Luther King Jr.