


Mary Nguyen

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 35mmarynguyen@gmail.com

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

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
- Computer Applications
- Interactive Media
- Human-Computer Interaction
- 3D Animation
- 3D Modeling

BS Biology, Minors in Psychology & Chemistry

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

WORK EXPERIENCE

UMSL Scientific Illustrator/Graphic Designer

University of Missouri-St. Louis

September 2023 — Present St. Louis, MO (Remote)

Produce technical illustrations and design graphics to strengthen research proposal quality.

Out of Line Apparel Founder & Creative Director

A Streetwear Company

January 2019 — Present Denver, CO

Leader of creative vision and implementation of branding strategies.

Direct marketing campaigns and design digital graphics.

Iconographics Medical Animator Intern

Medical Legal Visualization

May 2023 — June 2023 Denver, CO (Remote)

Produced high quality medical legal visualizations used for exhibits in the courtroom.

RIT - Personalized Healthcare Technology Scientific Illustrator

Rochester Institute of Technology

April 2022 — May 2023 Rochester, NY

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

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.

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
- Autodesk Mudbox
- Adobe Illustrator
- Cinema 4D
- Adobe Indesign
- Figma
- Adobe Photoshop
- Unreal Engine
- Autodesk Maya
- 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)

Journal of Biological Chemistry

Co-Author

Protein-protein interactions between tenascin-R and RPTP ζ /phosphacan are critical to maintain the architecture of perineuronal nets (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

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.