



NICOLE SHEPHERD

BIOMEDICAL ILLUSTRATOR & COMMUNICATOR

CONTACT

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 nicoleshepherd.com

 708.790.0813

SOFTWARE

Adobe Creative Suite
After Effects
Audition
Fresco
Illustrator
InDesign
Media Encoder
Photoshop
XD
Autodesk
3ds Max
Mudbox
Blender
HTML/CSS
KeyShot
Materialize Mimics
Microsoft Office
Pixologic ZBrush
Procreate
Protein Data Bank (PDB)
Substance Designer
Substance Painter
Unity & C#
Visual Molecular
Dynamics (VMD)
Vuforia

EDUCATION

2019–2021 MASTER OF SCIENCE IN BIOMEDICAL VISUALIZATION
University of Illinois at Chicago

Masters Research Project: *Creation of an Interactive Neuroanatomy Application Depicting the Internal Anatomy of the Brainstem*

2013–2017 BACHELOR OF FINE ARTS IN ILLUSTRATION
American Academy of Art

WORK EXPERIENCE

2022 3D MODELER/TEXTURE ARTIST
NYU College of Dentistry

Optimized the geometry of 3D anatomical assets while preserving the complex blend shapes and layering of anatomy. Optimization efforts resulted in a significant improvement in performance when used in a VR simulation on the Quest 2.

2020–2021 TEACHING ASSISTANT
University of Illinois at Chicago

Graded assignments and provided individual feedback for undergraduate students taking Ethics Law in Health at UIC.

2019–2020 SUBSTITUTE TEACHER
Reavis High School

Followed and implemented lesson plans left by teachers, assigned classwork, and maintained classroom discipline.

2015–2020 FREELANCE GRAPHIC DESIGNER AND ILLUSTRATOR
Illustrated and designed logos, posters, custom t-shirts, and brochures for various clients.

2016–2017 COMPUTER LAB ASSISTANT
American Academy of Art

Assisted students and professors with technical questions and troubleshoot computer/printer issues.

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SKILLS



ILLUSTRATION & DESIGN

Digital/traditional painting
Graphic design
Vector illustration



INTERACTIVE

AR
E-learning
Scientific gaming
VR



MODELING

3D modeling/optimization
Lighting
Texturing



ANIMATION

2D animation
3D animation

ASSOCIATIONS

2020–2022 **ASSOCIATION OF MEDICAL ILLUSTRATORS**
Professional Member

2019–2021 **UIC STUDENT ASSOCIATION OF MEDICAL ILLUSTRATORS**
Student Member
Social Media Team Member

HONORS AND AWARDS

- 2021 **2021 AMI SALON: STUDENT AWARD OF EXCELLENCE**
Association of Medical Illustrators
- 2021 **2021 AMI SALON: STUDENT AWARD OF MERIT**
Association of Medical Illustrators
- 2021 **ALICE AND BRIAN KATZ AWARD**
University of Illinois at Chicago
- 2017 **VALEDICTORIAN**
American Academy of Art, Class of 2017
- 2017 **2018 ANNUAL CONFERENCE ART CONTEST: 1ST PLACE**
Higher Learning Commission
- 2016 **YOUNG DESIGNERS AWARD COMPETITION: 1ST PLACE**
Independent Beauty Association (Formerly ICMAD)
- 2013 **GIRL SCOUT GOLD AWARD**

EXHIBITIONS & PUBLICATIONS

- 2022 **FIGURE ILLUSTRATION (FIGURE 5I)**
Revollo, Leila, et al. "The Secreted Tyrosine Kinase VLK is Essential for Normal Platelet Activation and Thrombus Formation." Blood, 2022, doi: 10.1182/blood.2020010342.
- 2021 **ASSOCIATION OF MEDICAL ILLUSTRATORS ONLINE SALON**
- 2021 **VIRTUAL VISUALIZATION: MEDICAL ILLUSTRATION DURING THE COVID-19 PANDEMIC, SAMA SHOW**
Online gallery–ArtSteps
- 2020 **ASSOCIATION OF MEDICAL ILLUSTRATORS ONLINE SALON**
- 2020 **DIDACTIC ILLUSTRATION–NORTHWESTERN ACCESS TO HEALTH PROJECT**
- 2020 **UNIQUE PERSPECTIVES: ART IN SCIENCE AND MEDICINE, SAMA SHOW**
International Museum of Surgical Science