Tonya Burge

MEDICAL ILLUSTRATOR & ANIMATOR

CONTACT

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(301)-875-1512

https://tonyaburge.com/

SKILLS

SOFTWARE

2D Media

Adobe Suite
- Illustrator
- Photoshop
- After Effects
- InDesign
- Media Encoder
- Audition

ClipStudio Paint

3D Media

Cinema 4D
ZBrush
PyMOL
ePMV
Horos
3D Slicer
Autodesk Meshmixer
Fusion360

TRADITIONAL MEDIA

Graphite
Charcoal
Pen & Ink
Oil & Acrylic

OTHER

Microsoft Office Suite
Figma

AWARDS & HONORS

2022 - 24
Johns Hopkins SOM Tuition Grant

2022
W.B. Saunders Scholarship

2022
Gwynne M. Gloege Scholarship

2022
William Didusch Scholarship

2023
Chester Reather Scholarship

EDUCATION

2019 — **University of Maryland Baltimore County (UMBC)**
Bachelor of Science in Biochemistry & Molecular Biology

2024 (TBA) — **Johns Hopkins University School of Medicine (JHUSOM)**
Master of Arts in Medical & Biological Illustration
Master's Thesis: "Designing Multimedia and 3D-Printed Models to Engage Patients Considering Osseointegration."
Thesis Supervisors: Marlis Gonzalez-Fernandez MD, PhD; Andrew Etheridge MFA, CCA; Corrine Sandone MA, CMI, FAMI
Description: To educate limb loss patients about osseointegration (OI) at Johns Hopkins, two resources were created: a narrative 2D animation and multi-component 3D-printed models.

EXPERIENCE

2020 - 21 — **Research Assistant**
Johns Hopkins School of Medicine, Baltimore, MD
Maintained data collection and aided in the recruitment and coordination of 100+ research subjects with end-stage renal disease (ESRD) for the FAIR, IMPCT, and COPE studies.

2022 — **Biological Illustrator**
National Aquarium, Baltimore, MD
Designed and illustrated a poster to explain the Mahogany Tide algal bloom that occurs in Baltimore's Inner Harbor

2023 — **Medical Animator**
Center for Bioengineering Innovation & Design (CBID)
Johns Hopkins University, Baltimore, MD
Created a script for and animated a 2D demonstrational video for Visilant, an eye-screening and patient management system designed to increase access to eye care for underserved patients.

2023 — **Medical Illustrator**
JHUSOM, Neurosurgery Department, Baltimore, MD
Utilized 3D Slicer to extract brain models from DICOM data for illustrating the pathway of the corticospinal tract through the brain-stem.

EXHIBITIONS & PRESENTATIONS

2023 — **Scientific Illustration Presentation**
Natural History Society of Maryland

2023 — **AMI Student Salon**
Award of Excellence for Editorial Illustration

2023 — **Surgical Illustration Presentation**
Presented Illustrations for an Above Knee Amputation and a Robotic Pyeloplasty