Laura Ekl
Medical and Scientific Animation

EDUCATION

2019 – 2021 **Master of Arts in Medical and Biological Illustration**
Johns Hopkins University School of Medicine, Baltimore, MD
Thesis: *Mapping the Tumor Vasculome: A novel interactive 3D visualization of computationally derived tumor hemodynamics*

2012-2015 **Bachelor of Arts in Biological and Pre-Medical Illustration**
Iowa State University, Ames, IA
Minors: Biology, Mathematics
Graduated *cum laude*

WORK EXPERIENCE

2021-Present **Associate Medical Illustrator - OssoVR**
Remote
- Worked with medical device project teams to translate new orthopedic technologies into accurate and effective VR training modules
- Contributed to development and implemention of novel VR functionalities in the Unity platform
- Managed client feedback and communicated to large production team to maintain project scope and deadlines

2019 **Medical Animator - Center for Bioengineering Innovation and Design, JHU**
Baltimore, MD
- Created animation of novel syringe that induces pulsatile flow to clear central venous lines for better patient

2019 **Biological Illustrator - National Aquarium**
Baltimore, MD
- Created illustration describing proper positioning and technique for hemolymph draw to promote routine analysis of octopus hemolymph

2015 – 2019 **Lead Designer, Content & Curriculum Team - BodyViz**
Clive, IA; Chicago, IL
- Established & managed Content and Curriculum team. Designed, authored, and implemented a series of anatomy eLearning modules using Adobe Captivate with integration into proprietary visualization software
- Collaborated with medical education, physician, and medical-legal clients to produce custom content

EXHIBITIONS, PRESENTATIONS, & PUBLICATIONS

2021 Multiple pieces exhibited at JHU AATM Graduate Show

2021 Three pieces exhibited in AU-JHU '21 Virtual Student Exchange

2020 Two pieces exhibited in online AMI Student Salon

2018 Workshop: *Augmenting Curriculum with BodyViz Anatomy Software,* Human Anatomy and Physiology Society (HAPS) Annual Conference

2016-2019 Series of presentations on visualization software to anatomy staff at University of Utah, UTHSCSA, Creighton SOM, FIU SOM

AWARDS AND HONORS

2021 **Vesalian Scholar,** Vesalius Trust

2020 **Ranice W. Crosby Scholarship**, JHU

2019-2020 **Frank H. Netter Scholarship**, JHU

William P. Didusch Scholarship, JHU

School of Medicine Tuition Grant, JHU

2012-2015 **Dean's List,** ISU

PROFICIENCIES

Software
- Adobe: After Effects, Animate, Captive, Illustrator, InDesign, Premiere Pro, Photoshop, XD
- Google Suite
- Maxon Cinema4D
- Microsoft Office Suite
- OsiriX; Horos
- Pixologic Zbrush
- PyMOL, ePMV
- Salesforce
- SketchUp
- Unity
- Zoom, GoToMeeting

Subject matter
- Human anatomy and physiology
- Cell, molecular, and organismal biology
- Radiologic datasets
- User-centered design

CONTACT

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