



# Morgan Summerlin

## Medical & Biological Illustration

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## Education

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- 2020 • **Master of Arts Candidate in Medical and Biological Illustration**  
[Johns Hopkins University School of Medicine, Baltimore MD](#)  
Thesis: Visualizing HOPE: Encouraging HIV-Positive Organ Transplantation Using Novel Modular Animations
- 2018 • **Bachelor of Science in Biological Sciences, Minor in Art**  
[Clemson University, Clemson SC](#)

## Professional Experience

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- 2019 • **2D animation for ForSight Innovation: Enabling Equitable Outcomes in Cataract Surgery**  
[Center for Bioengineering Innovation & Design, Johns Hopkins University](#)
- 2019 • **Stingray Venipuncture Veterinary Illustration**  
[The National Aquarium, Baltimore MD](#)
- 2018 • **Medical Illustrator**  
[Center for Functional Anatomy & Evolution, Johns Hopkins University](#)  
Anatomical illustrations in pen & ink and color created for use in lectures for faculty in the School of Medicine.
- 2016 – 2018 • **Department Illustrator**  
[Department of Plant and Environmental Sciences, Clemson University](#)  
Worked with preserved specimens from the Clemson University Arthropod Collection to create illustrations for faculty.
- 2016 – 2018 • **Entomological Illustrator**  
[Learning to See, Seeing to Learn: \[www.macroinvertebrates.org\]\(http://www.macroinvertebrates.org\)](#)  
Illustrated 13 macroinvertebrate taxa published in an online macroinvertebrate identification training tool for water quality monitoring.
- 2016 – 2017 • **Scientific Illustrator and Modeler**  
[Evolutionary Morphology and Biomechanics Laboratory, Clemson University](#)  
Modeled a 3D cat skeleton reconstruction using photogrammetry techniques. Completed 28 illustrations on turtle pelvic muscle morphology.
- 2016 • **Avian Songzia Fossil Illustrations**  
[Dr. Adam Smith, Bob Campbell Geology Museum](#)
- 2013 – 2018 • **Portrait Artist**  
[Wren Art Studio Portraits](#)  
Produced custom people and animal portraits in oil, graphite, pastel, and watercolor in a variety of styles and sizes. Built custom frames for portraits.

## Peer-Reviewed Publications

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- Ferro ML, **Summerlin M** (2019) Developing a standardized list of entomological collection methods for use in databases. *ZooKeys* 861: 145-156. 10.3897/zookeys.861.32347 (**figure illustrations**)
- Mayerl CJ, Pruett JE, **Summerlin MN**, Rivera ARV, and Blob RW (2017) Hindlimb muscle function in turtles: is novel skeletal design correlated with novel muscle function? *Journal of Experimental Biology*, 220: 2554-2562. doi: 10.1242/jeb.157792 (**figure illustrations**)

## Skills

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- **Digital**  
Adobe Suite CC  
Cinema 4D & Blender  
ZBrush  
PyMol & ePMV  
Horos & Osirix  
Procreate  
Microsoft Office Suite  
MacOS and Window platforms
- **Traditional**  
Graphite & carbon dust, pen & ink, watercolor & oil painting, photography
- **Science Coursework**  
Human Anatomy & Physiology  
Neuroanatomy  
Biology & Cell Biology  
Chemistry & Organic Chemistry  
Genetics  
Biochemistry  
Biomedical Engineering  
Freshwater Ecology  
Comparative Vertebrate Biology  
Mammalogy  
Biology of Plants

## Awards and Honors

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- Award of Excellence, Pathway of the Greater Petrosal Nerve**  
AMI Student Salon 2019
- William P. Didusch Scholarship**  
Johns Hopkins School of Medicine
- School of Medicine Tuition Grant**  
Johns Hopkins School of Medicine
- Research Experience for Undergraduates (REU) grant**  
National Science Foundation
- 3rd Place,**  
Clemson University Science as Art competition 2018
- Dean's List**  
Clemson University  
Spring 2016, Fall 2017
- South Carolina LIFE Scholarship**  
Clemson University 2014 – 2018