

## Work Experience

2015 – Present **Imaging Scientist**

***Space and Intelligence Systems, Harris Corporation, Rochester, NY***

Responsibilities include image quality verification, optimizing processing workflow and user education for aerial imaging products.

2014 – 2015 **Visiting Assistant Professor**

***School of Photographic Arts and Sciences, Rochester Institute of Technology, Rochester, NY***

Responsibilities included developing course curricula, maintaining lab equipment, and independent study advising. Topics taught ranged from fundamentals of photography to coordinating lab experiments to assess image quality and photographic workflow.

Photographic Technology: a two-semester sequence with topics ranging from measuring and understanding light to color management and image quality analysis. Conducted psychophysics studies to formulate conclusions regarding subjective opinions of image quality such as image sharpening techniques and color balance. Lab-based exercises explored photography with a critical study of hardware and software to serve as a foundation for photographic skills.

Scientific Photography: a two-semester sequence within the Photographic Sciences department. The courses covered basics of nature, high speed, and macro photography; photomicrography; skills related to using photography for scientific applications. These skills included tabletop lighting, focus stacking, panoramic stitching, time-lapse, and visual communication for documentation. Methods for maintaining scale of reproduction, extracting measurements and image data for forensic analysis, and problem solving with advanced microscopy techniques were also explored.

2010 – 2014 **Visiting Lecturer**

***School of Photographic Arts and Sciences, Rochester Institute of Technology, Rochester, NY***

Courses taught include Photography I, Layout & Design for Publication, and courses listed above. The former covered foundation topics such as composition, exposure, artificial lighting, HDR and professional workflow practices using Adobe Lightroom and Photoshop. The latter involved working with a small team of student editors to produce a publication for the web. Formally a print magazine, the course curriculum underwent significant changes to facilitate the development of an interactive, online magazine in-line with industry trends using Adobe Muse and InDesign.

Worked as an integral part of a faculty team that restructured and developed department curricula during a university-wide conversion from a quarter- to semester-based academic calendar.

2007 – 2015 **Photo Assistant and Image Retoucher**

***Kinsman Physics Productions, Rochester, NY***

Primary work involved image processing and false colorization of Scanning Electron Microscope (SEM) and Radiograph images for a photographer specializing in scientific and stock photography. Also photographed and assisted for high speed, microscopy, and macro photography shoots.

2008 **Research and Development Assistant**

***Canfield Imaging Systems, Fairfield, NJ***

Performed testing and troubleshooting with dermatological imaging systems and software. Systems under development used multiple lighting and imaging modalities in order to standardize photographic documentation of the human face. Tests included evaluating focus calibration, color profile consistency, and filter transmission.

## Skills

- Digital image processing and photographic workflow
- Subjective image quality assessment including tone reproduction, sharpness, color, noise
- Color management for still photography including profiling displays, papers and inkjet printers
- Macro photography for scientific applications
- Nature and still life photography
- Image editing and multimedia software including Adobe Photoshop, Lightroom, InDesign, Premier; Final Cut Pro
- Studio lighting
- Communication and design of instructional content for technical topics
- Layout, design, and editing for print publications
- Familiar with Imatest image quality testing software
- Proficient in Macintosh and Windows Operating Systems, Microsoft Office

## Awards & Recognition

- 2015 Finalist, Photography Category, Adobe Design Achievement Awards 2015  
2015 Paula Rhodes Memorial Award for Academic Excellence, School of Visual Arts
- 2014 Citation of Merit: Photomicrograph, BioImages 2014, BioCommunications Association
- 2012 Best of Show, BioImages 2012, BioCommunications Association  
2012 Canadian Founder's Natural Science Award, BioImages 2012, BioCommunications Association  
2012 Award of Excellence: Still Media, BioImages 2012, BioCommunications Association
- 2010 Outstanding Undergraduate Scholar Award, Rochester Institute of Technology  
2010 President of the Biomedical Photographic Student Association

## Exhibitions

- 2016 *College Collective*, Genesee Center for the Arts & Education, Group Exhibition, Rochester, NY
- 2015 *Fuse*, School of Visual Arts Gallery, Group Exhibition, New York, NY  
2015 *Curvilinear*, Darkroom Gallery, Group Exhibition, Essex Junction, VT  
2015 *Body and Mind*, Sulfur Studios, Group Exhibition, Savannah, GA
- 2014 *School of Photographic Arts and Sciences Faculty Show*, William Harris Gallery, Rochester, NY
- 2013 *School of Photographic Arts and Sciences Faculty Show*, William Harris Gallery, Rochester, NY
- 2012 *School of Photographic Arts and Sciences Faculty Show*, William Harris Gallery, Rochester, NY
- 2011 *College of Imaging Arts and Sciences Dean's Show*, William Harris Gallery, Rochester, NY  
2011 *MFS Alumni Art Exhibition*, Moorestown Friends School, Moorestown, NJ  
2011 *School of Photographic Arts and Sciences Faculty Show*, William Harris Gallery, Rochester, NY
- 2009 *School of Photographic Arts and Sciences Honors Show*, William Harris Gallery, Rochester, NY

## Publications

- 2016 *How We Will Use Photomicrographs in Virtual Reality*, Microbe Hunter Magazine Issue 53  
2016 Musee Magazine No. 14 (photographs)  
2016 Halation Magazine Winter 2016 Issue (photographs)
- 2015 *Why I'm On Board for the Virtual Reality Revolution: Thoughts from a Professional Photographer*, VR For Everyone Blog  
2015 *Semblance*, self-published photobook

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- 2014** Infocus Magazine, Issue 34 (cover photograph)
- 2014** *Learning How to Measure Color in Photography*, Munsell Color Blog
- 2013** *Interactive Photomicrography Using Google Maps*, Microbe Hunter Magazine Vol.3 No.2
- 2011** *Technical Updates in Digital Dental Photography*, Dental Clinics of North America Vol.55 No.3
- 2011** *Amphibia*, self-published photobook
- 2010** Biomedical Photographic Communications Bulletin, co-editor, writer and designer
- 2009** American Association of Orthodontists Bulletin Vol.27, No.6 (photograph)
- 2008** Basic Photographic Materials and Processes, Third Edition, Focal Press (photographs)

## Education

- 2013 – 2015** **Master of Professional Studies in Digital Photography**  
**School of Visual Arts, New York, NY**  
GPA: 4.00 / 4.00
- 2006 – 2010** **Bachelor of Science in Biomedical Photographic Communications**  
**Rochester Institute of Technology, Rochester, NY**  
GPA: 3.95 / 4.00