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Education

Carnegie Mellon University	Electrical and Computer Engineering	M.S., 2019
Carnegie Mellon University	Electrical and Computer Engineering	B.S., 2017

Relevant Experience

- Summer Research Program Intern in Group 87 — Summer 2019
  MIT Lincoln Laboratory, Lexington, MA, with D. Ripin
- Graduate Research Assistant in Electrical and Computer Engineering — 2017 - Present
  Carnegie Mellon University, Pittsburgh, PA, with M. Chamanzar
- Graduate Student Laboratory Technician in Nanofabrication Facility — 2017 - Present
  Carnegie Mellon University, Pittsburgh, PA, with M. Moneck and G. Piazza
- Undergraduate Research Assistant in Computer Science — Summer 2016
  ATLAS Institute University of Colorado, Boulder, CO, with B. Shapiro
- Undergraduate Research Assistant in Robotics — Summer 2015
  Carnegie Mellon University, Pittsburgh, PA, with B. Dias

Awards and Fellowships

- NCWIT Collegiate Award Finalist — 2019
- GEM PhD Fellow Candidate — 2019
- IEEE – Eta Kappa Nu Sigma Chapter Induction — 2018
- William J. Happel Fellow — 2018
- GEM MS University Fellow — 2017
- Carnegie Mellon University College of Engineering Dean's List — 2016

Publications

1. **M. Lassiter**, J. Reddy, R. Venkateswaran, M. Chamanzar. Backend Packaging for Miniaturized Embedded Lasers in Soft Optical Neural Probes (in preparation)
2. J. Reddy, **M. Lassiter**, M. Chamanzar. Flexible Parylene Photonic Waveguide Arrays with Integrated Micro-Mirrors for Localized, Broadband Illumination of Tissue (in preparation)
3. **M. Lassiter**, A. Nanavati, E. Pintar, M. Xie, E. A. Teves, M. B. Dias. iSTEP 2015: Cross-Cultural Technology Development Toward Language Access for the Deaf and Hard of Hearing, *tech. report CMU-RI-TR-16-32, Robotics Institute, Carnegie Mellon University, June* 2016*.*

Posters and Presentations

1. **M. Lassiter**, J. Reddy, M. Chamanzar. Flexible, polymer waveguide arrays with integrated 90-degree input/output ports for high-resolution light delivery to the brain, *Society for Neuroscience Nanosymposium* 2018.
2. J. Reddy, **M. Lassiter**, R. Venkateswaran, L. Stewart, A. Barth, M. Chamanzar. Parylene Optical Waveguides: A New Platform for Implantable Photonics, *Carnegie Mellon Forum on Biomedical Engineering* 2018. ***Awarded Outstanding Poster Presentation**

Teaching Experience

- **Teaching Assistant**
    - Micro and Nano Systems Fabrication 18-615 — S 2019
    - Fundamentals of Electromagnetics 18-300 — F 2018
    - Undergraduate Course Development 18-2XX — U 2018
    - Introduction to Electrical and Computer Engineering 18-100 — U 2018
    - Electronic Devices and Analog Circuits 18-220 — 2016-17

Outreach and Service

- University Leadership Search Committee Member:
    - Associate Vice President and Chief Information Officer (2018)
    - Executive Director of Counseling and Psychological (2018)
    - Vice President for Community Health and Wellness (2017)
- 2018 Pennsylvania Student Power Network Fellow
- President's Task Force for Student Health and Well-Being (2016-17)
- Stever House Community Advisor (2016-17)
- Director College of Engineering Community Building Committee (2014-17)
- Member of University Leadership Student Advisory Council (2014-17)
- Member of Future Faculty Program, ECE Outreach, IEEE, IEEE-HKN, SfN, OSA