

Maya M. Lassiter

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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

- Graduate Research Assistant in Electrical and Computer Engineering 2017-18
Carnegie Mellon University, Pittsburgh, PA, with M. Chamanzar
- Graduate Student Laboratory Technician in Nanofabrication Facility 2017-18
Carnegie Mellon University, Pittsburgh, PA, with M. Moneck and G. Piazza
- Undergraduate Research Assistant in Computer Science 2016
ATLAS Institute University of Colorado, Boulder, CO, with B. Shapiro
- Undergraduate Research Assistant in Robotics 2015
Carnegie Mellon University, Pittsburgh, PA, with B. Dias

Awards and Fellowships

- William J. Happel Fellowship 2018
- GEM University Fellowship 2017
- CMU College of Engineering Dean's List 2016

Publications and Presentations

1. **M. Lassiter**, J. Reddy, M. Chamanzar. A Miniaturized Backend for Flexible Optogenetic 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**, 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.
4. 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**)
5. **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.*

Teaching Experience

- **Teaching Assistant**

- Fundamentals of Electromagnetics 18300 F 2018
- Undergraduate Course Development 182XX U 2018
- Electronic Devices and Analog Circuits 18220 2016-17

Outreach and Service

- ECE Outreach Chair
- 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, IEEE, SfN