Brevin Tilmon
Room 425B, 1064 Center Dr, Gainesville, FL 32611. – btilmon@ufl.edu – btilmon.github.io

RESEARCH STATEMENT
I am interested in developing computational cameras for active computer vision and robotics tasks.

EDUCATION

University of Florida, Gainesville, FL 2019.9 - 2025.5(expected)
PhD Student, Electrical and Computer Engineering Department, Advisor: Prof. Sanjeev Koppal

Murray State University, Murray, KY 2015.9 - 2019.5
Bachelor of Science, Engineering Physics, GPA: 3.8/4.0

PUBLICATIONS

RESEARCH EXPERIENCE

University of Florida, Gainesville, FL 2019.8 - 2025.5(expected)

*FOCUS Lab*
Research Assistant, Advisor: Prof. Sanjeev Koppal

**Project 1: Foveating Cameras**
- Built FoveaCam, a camera equipped with a MEMS mirror in-camera to near-instantly modulate its field of view.
- Developed control algorithms to optimally modulate FoveaCam field of view to increase computer vision performance.

AWARDS

- **NSF GRFP Honorable Mention** 2020
- **Graduate School Preeminence Award**, University of Florida 2019-2024
- **Kirkland Fellowship**, University of Florida 2019-2021
- **Jesse & Deborah Jones Scholarship**, Murray State University 2015-2019
- **Housing Scholarship**, Murray State University 2015-2018

SKILLS

- **Programming:** C/C++, Python, MATLAB
- **Sensors and Robotics:** Machine vision and depth cameras, Embedded Systems, Optics Bench