

# Brevin Jeffery Tilmon

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## Education

- 2019-Present PHD in Electrical Engineering, University of Florida  
Advisor: *Sanjeev Koppal*
- 2015-2019 BSE in Engineering Physics, Murray State University

## Areas of specialization

Computer Vision • Computational Photography • Machine Learning

## Experience

- 2019-Present University of Florida. Research Assistant, developing computational cameras and algorithms.
- Summer 2018 University of Florida. Research Intern in SURF Program, developed projector-camera system.
- 2016-2019 Murray State University. Research Assistant, image processing for non-destructive evaluations.
- 2016-2019 Murray State University. President of IEEE Robotics Club, competed in IEEE robotics competitions.
- Summer 2017 Berry Global. Electrical Engineering Intern, real time system control using scada software.

## Teaching Experience

- 2015-2019 Murray State University, calculus-based physics courses (PHY 236,256)
- 2015-2019 Murray State University, algebra-based physics courses (PHY 126,133)

## Honors

- 2019-2024 University of Florida Graduate School Preeminence Award
- 2018 Murray State University Jesse Jones Scholarship
- 2015-2016 Murray State University Engineering Physics Scholarship

## Publications

### **Novel approach of wavelet analysis for nonlinear ultrasonic measurements and fatigue assessment of jet engine components**

Gheorghe Bunget, **Brevin Tilmon**, Andrew Yee, Dylan Stewart, James Rogers, Matthew Webster, Kevin Farinholt, Fritz Friedersdorf, Marc Pepi, and Anindya Ghoshal  
American Institute of Physics 1949(1), (*Proc. American Institute of Physics 2018*)

## Technologies

**Languages** C++, Python, Halide

**Tools** PyTorch, Tensorflow, Solidworks/3D Printing

**OS** Windows, Linux, OSX

## References

Sanjeev Koppal

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## Personal

Born February 15, 1997 - Evansville IN (U.S. Citizen)