

# Hannah Kirkland

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**Education** **Ph.D Electrical and Computer Engineering** 2022 – 2026  
University of Florida  
Advised by Dr. Sanjeev Koppal

**B.S. Electrical Engineering** 2017 – 2021  
University of Florida  
GPA: 3.33/4.00

**Publications** **Schrödinger's Camera: First Steps Towards a Quantum-Based Privacy Preserving Camera** 2023  
TCV CVPRW, WiCV CVPRW (extended abstract)  
Hannah Kirkland, Sanjeev J. Koppal  
📄 arXiv 📄 GitHub

**Experience** **Graduate Research Assistant** 2021 – Now  
Florida Optics and Computational Sensor (FOCUS) Lab  
► *Off-Silicon Image Processing:* Researching image processing techniques using non-silicon based computing methods.

**Product Engineering Intern** 2021  
John Deere  
► *Range Detection Prototype:* Developed a system to detect the current range of the vehicle using gear speed data.  
► *Continuous Flow Hydraulic Switch Updates:* Reviewed updated switch designs with the manufacturer, finalized drawings, and executed product release workflow in Creo.  
► *Intern Project:* Worked to identify potential cost saving areas across all compact utility tractors. Responsibilities included automating the data collection process with Python and Excel.

**Involvement** **Hardware Design Lead** 2021 – 2023  
Audio Engineering Society  
► Organized the hardware design team, which designed and built audio projects such as a laser harp, synthesizer, and USB audio interface.

**Awards** **L3-Harris Fellowship** 2021 – Now  
**CRA-WP Grad Cohort for Women** 2023