





# Cohen Archbold

PhD researcher in Computer Science looking to use my experience in machine learning and task driven computer vision to solve modern problems.

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## RESEARCH INTERESTS

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**DOMAINS** Computer Vision, Signals Processing, Data Science, Machine Learning, Artificial Intelligence  
**INTERESTS** AI Ethics, Privacy, Uncertainty, Distribution Modeling, Weak and Self-Supervision

## EDUCATION

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**University of Kentucky** Lexington, United States  
PhD, Computer Science 2023 – Current

**University of Kentucky** Lexington, United States  
Bachelors, Computer Science 2018 – 2022

## EXPERIENCE

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**University of Kentucky** Lexington Kentucky, United States  
Research Assistant 2023 - Current

- Working under Dr. Abdullah-Al-Zubaer Imran, I assisted in the research of methods for computer vision tasks in biomedical imaging.
- Responsibilities included reading and presenting papers from conferences such as CVPR and MICCAI, interpersonal communication and group meetings, conducting experiments and paper writing.

**University of Kentucky** Lexington Kentucky, United States  
Teaching Assistant 2022 – 2023

- Assisted in the teaching of C++ introductory courses focusing on algorithms and data structures.
- Responsible for leading, grading, and monitoring laboratory classes for 100+ students in multiple sections

**University of Kentucky** Lexington Kentucky, United States  
Undergraduate Research Assistant 2019-2022

- Working under Dr. Nathan Jacobs, I assisted in the research, development, and experimentation of methods for computer vision tasks in remote sensing.
- Gathered experience understanding and presenting on academic papers from conferences such as CVPR, ICCV, and BCCV.

## HONORS

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### MIDRC Mastermind mRale Challenge Winner

2023

6th place winner of the open challenge

## PUBLICATIONS

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2023 **Fine-Grained Property Value Assessment using Probabilistic Dissagregation**

Accepted as a poster presentation to The International Geoscience and Remote Sensing Symposium in 2023.

## SKILLS

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🔗 Python · C/C++ · Pytorch  
TensorFlow · Git · Linux

✉ Latex · Overleaf · Microsoft Suite

🗣 English · Native