

# MICHAEL THOMPSON

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## EDUCATION

### Master of Science in Computer Science

September 2023 - May 2025 (Expected)

State University | GPA: 3.45/4.0

- Thesis: "Improving Classification Accuracy in Neural Networks for Image Recognition"
- Relevant Coursework: Data Structures, Algorithms, Database Systems, Machine Learning Fundamentals

### Bachelor of Science in Computer Science

September 2019 - May 2023

Regional State College | GPA: 3.38/4.0

- Senior Project: "Web Application for Student Course Management"

## RESEARCH EXPERIENCE

### Graduate Research Assistant

January 2024 - Present

State University Computer Vision Lab

- Assisting with data collection and preprocessing for image classification projects
- Running experiments with existing deep learning models on benchmark datasets
- Contributing to weekly lab meetings and literature reviews

### Undergraduate Research Volunteer

September 2022 - May 2023

Regional State College Software Engineering Lab

- Helped maintain lab website and documentation
- Attended research presentations and seminars
- Completed independent study on basic neural network architectures

## WORK EXPERIENCE

### Software Engineering Intern

June 2022 - August 2022

TechStart Solutions (Small Startup)

- Developed features for customer-facing web application using React and Node.js
- Fixed bugs and wrote unit tests for existing codebase
- Participated in agile development process and daily standups

January 2021 - May 2022

IT Support Assistant

Regional State College IT Department

- Provided technical support to students and faculty
- Troubleshoot hardware and software issues
- Maintained computer lab equipment

PUBLICATIONS & PRESENTATIONS

1. **Thompson, M.** (2023). "Web-Based Student Course Management System." *Regional State College Senior Project Showcase*. Poster presentation.
2. Collaborator on workshop paper (5th author): Rodriguez, A., Kim, S., Patel, R., Davis, L., & **Thompson, M.** (2024). "Survey of Recent Advances in Deep Learning for Computer Vision." *Regional AI Workshop*.

TECHNICAL SKILLS

Programming Languages:	Python, Java, JavaScript, C++, SQL
ML/AI Frameworks:	TensorFlow, scikit-learn, Keras (basic experience)
Tools & Technologies:	Git, Docker (learning), Linux, React, Node.js
Areas of Interest:	Machine Learning, Computer Vision, Deep Learning, Web Development

HONORS & AWARDS

- Graduate Teaching Assistantship, State University (2023-2025)
- Dean's List (6 semesters during undergraduate)
- Computer Science Department Scholarship, Regional State College (2021-2022)

TEACHING EXPERIENCE

Teaching Assistant

Fall 2024

State University CS 101: Introduction to Programming

- Held weekly office hours for introductory programming course
- Graded assignments and provided feedback to students
- Assisted with lab sessions

LEADERSHIP & ACTIVITIES

- Member, ACM Student Chapter (2020-Present)
- Participant, Regional Hackathon (2022)

- Volunteer, Hour of Code event for local middle school (2021)

## RESEARCH INTERESTS

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I am interested in pursuing a PhD to deepen my knowledge of machine learning and artificial intelligence. During my master's program, I have become particularly interested in computer vision and deep learning. I would like to work on projects involving image recognition and classification, possibly with applications to real-world problems.

I am eager to learn from experienced researchers and develop my skills in conducting independent research. I believe a PhD program will provide me with the training and mentorship necessary to become a successful researcher in the field of AI. I am looking for an advisor who is patient and willing to guide students who are still building their research skills, and who has an active lab with funding opportunities.