

# ANAND TEKKEY

GitHub.com/ATekkey | LinkedIn.com/in/ATekkey | (630) 806-1083 | anand@tekkey.net

## EDUCATION

**University of Illinois at Urbana-Champaign:**

August 2023 - May 2026

*Bachelor of Science in Computer Science*

GPA: 3.98/4.00

**Relevant Coursework:** System Programming, Deep Learning Computer Vision, Applied Machine Learning

## EXPERIENCE

**VOS Computer Vision Research**

Champaign, IL

*Research Assistant*

August 2024 - Present

- Explored and modified memory architecture to evaluate areas for optimization and specialization
- Identified suite of likely failure cases in existing memory architecture models
- Introduced back-propagation which contributed to a 6% accuracy boost in the leading VOS model
- Leveraged Slurm for scheduling and monitoring PyTorch-backed jobs on NCSA research server clusters

**AI-Powered To-Do List**

Spring 2024

- Created a To-Do list website using React with API interactions processed through Javascript
- Implemented prompt engineering with the ChatGPT API to format raw text into a cleaned JSON format, also approximating contextual information from the end user's input
- Applied clean readable coding practices, following uniform naming conventions and other techniques
- Gained experience sending and processing pull requests via Git/GitHub in a collaborative group project

**Self-Employed**

Westmont, IL

*Volunteer Tutor*

August 2022 - June 2024

- Helped high school and middle school students to better understand their coursework.
- Worked 40+ hours with students on Chemistry, Biology, Physics, Math, Spanish, and Jazz auditions.

**Minesweeper**

Fall 2023

- Re-implemented Minesweeper with OOP in Python and the popular pyAutoGUI library
- Used Breadth-First-Search and recursion to automatically reveal known zero squares

## LEADERSHIP

**Triangle Engineering Brotherhood**

Champaign, IL

*Social Director, Social Chair*

January 2024 - June 2025

- Oversaw a budget of \$5,000 to organize 12 successful social events and enrich organization reputation
- Supervised a team of 17 chairs, ensuring seamless event planning through effective coordination

## TECHNICAL SKILLS

**Languages:** Python (Pandas, NumPy, Tensorflow, Pytorch), C, C++, Java, JavaScript, MIPS, Verilog

**Software & Protocols:** Github, Visual Studio Code, OpenAI API, Slurm, Tmux, UE5

**Spoken Languages:** English, Conversational Spanish

## AWARDS & CERTIFICATIONS

- **Boy Scouts of America** - Eagle Scout
- **Stanford University** - Machine Learning Certification
- **Seal of Biliteracy** - Recipient, Spanish