

ANAND TEKKEY

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

EDUCATION

University of Illinois at Urbana-Champaign:

May 2026

Bachelor of Science in Computer Science

GPA: 3.97/4.00

Relevant Coursework: System Programming, Deep Learning for Computer Vision, Applied Machine Learning, Intro to Algorithms, Data Structures, Computer Architecture, Intro to Cybersecurity, Software Design Lab

WORK 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 backpropagation and several other algorithms to combat relevant failure cases
- Leveraged Slurm for scheduling and monitoring PyTorch-backed jobs on NCSA research server clusters

Best Brains Learning Center

Westmont, IL

Associate Teacher - Part-Time

November 2022 - June 2023

- Taught coding fundamentals to K-12 students, building foundational CS skills through hands-on activities

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.

PROJECTS

AI-Powered To-Do List

Spring 2024

- Gained experience sending and processing pull requests via Git/GitHub in collaborative group project
- 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

Minesweeper

Fall 2023

- Re-implemented Minesweeper, a classic logic puzzle, with Python and the popular pyAutoGUI library

TECHNICAL SKILLS

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

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

Spoken Languages: English, Conversational Spanish

AWARDS & CERTIFICATIONS

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