

Brandon Gomes

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EDUCATION

University of Missouri

BS in **Computer Science** & BS in **Mathematics**
(Applying for Accelerated MS in Computer Science in 2025)

Columbia, MO
Expected Graduation: **Fall 2026**
GPA: **4.0**

St. Louis Community College

Associate of Science: General STEM

Ferguson, MO
Graduation: **Spring 2024**

SKILLS & ACTIVITIES

Skills: Python, C and Java, ML algorithms, Hugging Face, NLP, NLTK, Spacy, Linux, semantic search, GitHub, mathematics, teaching, verbal and written communication, and teamwork.

University Independent research under a faculty mentor: Focused on **morality** and **logic** in **transformers**.

Activities: Clubs: Society of Hispanic Professional Engineers (**SHPE**), MU **Space** Program, MU **Robotics**, Mizzou **Computing** Association, and Mizzou Collegiate Entrepreneurs' Organization (MUCEO).

WORK EXPERIENCE

Remcam Search Engines (Remcam LLC)

St Louis, MO

Intern

Sept 2023 – May 2024

- Collaborated on research and development projects involving Large Language Models (**LLMs**) and Natural Language Processing (**NLP**) using **NLTK**, **SpaCy**, and **Hugging Face**.
- Contributed to **improving medical coding** and **client-based website optimization**.
- Developed an understanding and comfort in using **Ubuntu** and Open Search (**Semantic Search** and **Indexing**)
- Produced documented Jupyter Notebooks to teach concepts and applications of NLP from research and references.
- Taught highly used NLP and **ML libraries** by using **project examples** in an **educational series** publicly accessible through **GitHub**.

STLCC Florissant Valley

Ferguson, MO

Peer Tutor

Oct 2023 – May 2024

- Conducted and collaborated in **tutoring** session, improving tutee's grades and understanding in **mathematics**.
- Implemented various teaching techniques and encouraged **honesty** and **curiosity**.

White Birch Bay Aquatics

Hazelwood, MO

Lifeguard

Jun 2022 – Sep 2023

- Gained medical experience and Red Cross certifications and conducted tailored swim lessons.
- **Collaborated** with **managerial** and **diverse** lifeguard **teams** in formulating and refining safety protocols and rules and enforcing them, leading to convenience and safety for coworkers and patrons.

PROJECT EXPERIENCE

Self-Learning

Understanding Deep Learning by Prof. Simon J. Prince

May 2024 - August 2024

- Studied the reputable deep learning textbook; learned the **math**, **concepts**, **best practices**, and **understanding** of **deep learning architectures**.
- Took detailed notes and applied the concepts in curated Python notebooks to facilitate understanding.

LEADERSHIP EXPERIENCE

World Martial Arts Academy Hazelwood

Hazelwood, MO

Volunteer/Student

Aug 2020 - Dec 2023

- **Assisted leadership**, attended **meetings**, led segments of classes, **mentored**, and participated in **fundraising** and events.