**Brandon Gomes**

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**EDUCATION**

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| **University of Missouri** | Columbia, MO |
| BS in **Computer Science** & BS in **Mathematics**  (Applying for Accelerated MS in Computer Science in 2025) | Expected Graduation:***Fall 2026***  GPA: **4.0** |
| St. Louis Community College | Ferguson, MO |
| **Associate of Science**: General STEM | Graduation: *Spring 2024* |

**SKILLS & ACTIVITIES**

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| **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 Activities:** | Independent **research** under a faculty mentor: Focused on **morality** and **logic** in **transformers**.  Clubs: Society of Hispanic Professional Engineers (**SHPE**), MU **Space** Program, MU **Robotics**, Mizzou **Computing** Association, and Mizzou Collegiate Entrepreneurs’ Organization (MUCEO). |

**WORK EXPERIENCE**

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| **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**.

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| **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**.

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| **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**

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| **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**

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| **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.