**Brandon Gomes**

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**EDUCATION**

| University of Missouri | Columbia, MO |
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| 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* |

**WORK EXPERIENCE**

| **Remcam Search Engines (Remcam LLC)** | St Louis, MO |
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| *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 |
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| *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 |
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| *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 |
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| *Volunteer/Student* | *Aug 2020 - Dec 2023* |

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

**SKILLS & ACTIVITIES**

| **Skills:** | Python, C and Java, VSCode, PyCharm, programming, AI, 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, MU Space Program, MU Robotics, Mizzou Computing Association, and Mizzou Collegiate Entrepreneurs’ Organization. |