

EDUCATION

M.Sc. in Computer Science	St. Mary's University of San Antonio	Aug 2022–Present
<ul style="list-style-type: none">• <u>GPA</u>: 3.85		
B.Sc. in Computer Information Systems	Colorado State University- Pueblo	May 2022
<ul style="list-style-type: none">• <u>GPA</u>: 4.0		

EMPLOYMENT

Co-Founder & Lead Software Engineer	Startup: Athletia	Feb 2022–Jan 2024
<ul style="list-style-type: none">• Pioneered Athletia's full-stack development, transforming sports event platforms for fan-centric engagement.• Engineered a robust, high-performance platform for web and cross-platform mobile, implementing strategic software design decisions.• Developed and refined end-to-end business logic, maintaining complete control from client to server to database.• Conducted an intensive 3-month test phase involving 500 students, utilizing an agile development approach for continuous improvement based on invaluable user feedback.• <u>Leveraged knowledge</u>: JavaScript, React, React Native, Redux, Node.js, Express.js, RESTful API, MongoDB.		
Software Engineer Project Leader Intern	C&O Windows and Doors	Jan 2022–May 2022
<ul style="list-style-type: none">• Led a team of 4 associates in executing a successful Scrum project for a business in Colorado, optimizing real-time tracking and resulting in a 15% increase in profit through enhanced cash flow management and expense control.• Distributed tasks effectively, conducted weekly client meetings, and created a Gantt chart using Microsoft Project for comprehensive project planning and scheduling, resulting in the timely completion of project goals.• Designed and implemented an efficient Inventory Management System, reducing tracking errors by 25%.• <u>Leveraged knowledge</u>: Microsoft Project, Python, Flask, Jinja2, SQL, HTML, and CSS.		
Graduate Assistant	St. Mary's University of San Antonio	Jan 2022–Present
<ul style="list-style-type: none">• Assist 50+ students in mastering Java, C, and object-oriented programming principles, resulting in a 20% improvement in class average scores.• Support in-class activities, enriching students' learning experiences in object-oriented programming principles.		

SOFTWARE PROJECTS

Full-Stack Software Engineer	JobFinderAI	Aug 2023–Nov 2023
<ul style="list-style-type: none">• Collaborated on developing the JobFinderAI platform, enabling users to match their resumes with suitable jobs.• Managed and matched over 60,000 jobs stored in the database across various states.• Engineered the platform to harness k-Nearest Neighbor algorithm and vector search technology to reduce job matching time, enhance precision, and empower users to discover relevant job recommendations and perfect matches.• Improved job matching accuracy with machine learning, including natural language processing, leading to fewer mismatches and increased successful job matches.• <u>Utilized</u>: React, Redux, Node, MongoDB, Vector Search, k-Nearest Neighbor Algorithm, Large Language Model, R		
Web Developer	Personal Website	Jan 2021
<ul style="list-style-type: none">• Link: https://josuahall.onrender.com• Designed a visually engaging personal website, showcasing a portfolio of software projects and additional information.• Implemented a responsive and user-friendly interface, optimizing the website for an enhanced user experience.• <u>Utilized</u>: React, HTML, CSS, Bootstrap, JavaScript.		

LEADERSHIP SKILLS

Student-Athlete	Colorado State University-Pueblo/St. Mary's University of San Antonio	2019–2023
<ul style="list-style-type: none">• Led two varsity Men's Soccer teams as a captain, achieving National Tournaments with resilience, strategic thinking, and exceptional performance under pressure.• Applied leadership acumen to orchestrate cross-functional development teams in software engineering, emphasizing discipline, collaboration, and excellence.• Demonstrated adaptability and successful project leadership in software initiatives, fostering a culture of shared goals, effective communication, and commitment to high-quality solutions.		

ADDITIONAL LANGUAGES AND TECHNOLOGIES

- (proficient): NoSQL, SQL, Java, Python, Visual Studio, Fluent in German, (familiar): C, C#, Git, Machine Learning/AI