LinkedIn:
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JOSUA HALL

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EDUCATION

M.Sc. in Computer Science	**St. Mary's University of San Antonio**	**Aug 2022–Present**

- GPA: 3.85 (1.15 Notendurchschnitt)

B.Sc. in Computer Information Systems	**Colorado State University- Pueblo**	**May 2022**

- GPA: 4.0 (1.0 Notendurchschnitt)

EMPLOYMENT

Co-Founder & Lead Software Engineer	**Startup: Athletia**	**Feb 2022–Jan 2024**

- https://athletia.app
- Spearheaded Athletia's full-stack development, transforming sports event platforms for fan-centric engagement.
- Pioneered a robust, cross-platform mobile and web platform, strategically designed in collaboration with university marketing and athletic departments to align technical solutions with business strategy based on user requirements.
- 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, resulting in a 20% increase in game attendance.
- Leveraged knowledge: 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**

- 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%.
- Leveraged knowledge: Microsoft Project, Python, Flask, Jinja2, SQL, HTML, and CSS.

Graduate Assistant	**St. Mary's University of San Antonio**	**Jan 2022–Present**

- 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**

- 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.
- Utilized: React, Redux, Node, MongoDB, Vector Search, k-Nearest Neighbor Algorithm, Large Language Model, R

Web Developer	**Personal Website**	**Jan 2021**

- 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.
- Utilized: React, HTML, CSS, Bootstrap, JavaScript.

LEADERSHIP SKILLS

Student-Athlete	**Colorado State University-Pueblo/St. Mary's University of San Antonio**	**2019–2023**

- Captained varsity Soccer teams to National Tournaments, strategic acumen, 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, JavaScript, Fluent in German, (familiar): C, C#, Git, Spring Boot, Linux, TypeScript