

EDUCATION

M.Sc. in Computer Science	St. Mary's University of San Antonio	2022–2024
<ul style="list-style-type: none">• <u>GPA</u>: 3.85 (1.15 Notendurchschnitt)		
B.Sc. in Computer Information Systems	Colorado State University- Pueblo	2019–2022
<ul style="list-style-type: none">• <u>GPA</u>: 4.0 (1.0 Notendurchschnitt)		

EMPLOYMENT

Full-Stack Software Engineer	Cognizant Mobility	June 2024–Present
<ul style="list-style-type: none">• Contributed to a secure, large-scale enterprise platform for cryptographic key management and ECU firmware signing, critical to BMW's global automotive production.• Built and maintained backend features across a Jakarta EE monolith and various Quarkus-based microservices within a 7+ year continuously developed codebase, writing clean and testable Java code.• Improved system scalability and reliability by containerizing services with Docker and orchestrating deployments via Kubernetes across production-grade environments in the US, Europe, and China.• Collaborated with a 10+ member cross-functional team using Scrum to deliver high-performance, security-focused solutions aligned with automotive standards.• Supported CI/CD pipelines for seamless integration, automated testing, and stable, secure releases.• <u>Leveraged knowledge</u>: Java, Jakarta EE, Maven, Quarkus, Docker, Kubernetes, AWS, Postgres, Git, CI/CD, JUnit, Mockito		
Co-Founder & Lead Software Engineer	Startup: Athletia	Feb 2022–Mar 2024
<ul style="list-style-type: none">• 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.• <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(USA), 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	2022–2024
<ul style="list-style-type: none">• Assisted 50+ students in mastering Java, C, and object-oriented programming principles, resulting in a 20% improvement in average class scores.• Supported in-class activities, enriching students' learning experiences in object-oriented programming principles		

OTHER SOFTWARE PROJECTS

Full-Stack Software Engineer	JobFinderAI	Aug 2023–Nov 2023
<ul style="list-style-type: none">• Developed the JobFinderAI platform, enabling users to match their resumes with suitable jobs from over 60,000 jobs stored in databases across various states.• Engineered the platform to harness the k-Nearest Neighbor algorithm and vector search technology to empower users to discover relevant job recommendations and perfect matches.• <u>Utilized</u>: React, Redux, Node.js, MongoDB, Vector Search, k-Nearest Neighbor Algorithm, Large Language Model, R		

LEADERSHIP SKILLS

Student-Athlete	Colorado State University-Pueblo/St. Mary's University of San Antonio	2019–2024
<ul style="list-style-type: none">• Captained varsity soccer teams to national tournament trophies with exceptional performance under pressure.		

ADDITIONAL LANGUAGES AND TECHNOLOGIES

<ul style="list-style-type: none">• (proficient): NoSQL, SQL, Java, RESTful APIs, JavaScript, Fluent in German, (familiar): C, C#, Spring Boot, Linux, TypeScript
