Amanda G. Foess

Stanford CA | (704) 799 – 5154 | *agfoess@stanford.edu*

EDUCATION

Stanford University, School of Engineering, Stanford, CA   **June 2026**
Bachelor of Science in Computer Science i.e. Artificial Intelligence Track

Pine Lake Preparatory High School, Charlotte, NC   **June 2022**

TECHNICAL SKILLS

Python • Java • JavaScript • React • React Native • HTML • CSS • SQL • C++ • C • Assembly • Scripts • Power Fx • Node.js • MySQL • Azure • APIs • Git • VS Code • Azure Authentication • Terminal • Microsoft Power Platform • Microsoft One Lake/Dataverse • Figma

RELEVANT COURSEWORK

Data Structures and Algorithms • Machine Learning • Artificial Intelligence • Databases • Operating Systems • Software Engineering • Computer Networks • Probability and Statistics for CS • Deep Learning • Natural Language Processing • Mobile App Development • Neural Networks

EXPERIENCE

TERRATECH 360 Inc. – Charlotte NC / Stanford, CA   **April 2025 – Present**
Co-Founder, Chief Executive Officer & Chief Technology Officer

- Lead the design, development, and technical strategy of TerraTech 360, a modular SaaS platform that unifies project management, contracts, and financial tracking for real estate land-development firms.
- Took a quarter off from Stanford University to pursue the venture full time and lead the company through its discovery and early development phases.
- Manage multiple third-party contractors and coordinate the full product lifecycle, including discovery, UX/UI design, technical architecture, and development execution.
- Organize and lead the discovery phase, creating detailed user stories, journey maps, screen maps, and competitive research to translate complex workflows into scalable product architecture.
- Oversee component and systems architecture analysis while directing AI-assisted product design and development workflows.
- Establish and manage the corporate entity (Delaware C-Corp), collaborating directly with legal counsel on formation documents, equity structure, and SAFE agreements.
- Engage and lead a board of senior technical and business advisors; conduct recurring strategy and product-review meetings.
- Lead the financial planning for the technical side of the business, aligning budget, resources, and roadmap milestones.
- Participate in user interviews with land-development executives to validate product-market fit and refine user-experience flows.
- Evaluate and interview potential technical contractors and development partners; manage ongoing collaboration with senior engineers and design teams.

- Actively test and integrate emerging AI tools throughout the technical process to accelerate design, development, and documentation.

MONTROSE LLC – Charlotte NC   **June 2023 – June 2025**
Full-Stack Software Engineering Intern
- Spearheaded the development of a full-stack project management application for land development firms, leveraging Microsoft's Power Platform (Power BI, Power Apps, Power Automate, Azure, SQL, Dataverse) to enhance operational efficiency.
- Designed and developed a critical path method schedule and financial forecasting database utilizing the company's performance metrics to convert individual project's unaltered numeric data into actionable insights used by the corporate officers, enabling the company to operate with a quantitative approach.
- Directly improved project oversight, contributing to a 400% increase in combined asset value and providing the company with a proactive approach to managing its $100 million+ asset portfolio.

EKOS – Charlotte NC   **June 2022 – August 2022**
Full-Stack Software Engineering Intern
- Developed an internal secure link directory using React, Node.js, MySQL, and Azure Authentication to improve customer desk response time towards client tickets.
- Leveraged existing framework and utilized the standard coding architecture to ensure consistency and efficiency in implementation.

CORVID CYBERDEFENSE – Mooresville NC   **June 2021 – August 2021**
Cyber Security Operations and Management Intern
- Conducted in-depth analysis of employee dynamics and executive culture with the goal of addressing gaps to foster a healthier work environment.
- Spearheaded a successful company reorganization resulting in minimized product lifecycle delays, reinforcing the company's competitive edge.

ACTIVITIES

FIRST Robotics Competition, Mentor & Alumni   **May 2022 - Present**
Cap & Gown Women Leadership Organization, Vice President   **September 2023 - May 2024**
Stefano Agostinelli Memorial Scholarship Award, Recipient   **November 2023**