Tyler Triplett

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Objective Summary

Innovative and detail-oriented Computer Science undergraduate student poised to contribute to the field of software development, with a specialized focus on embedded systems. Skilled in a diverse range of programming languages and frameworks, including C, C++, and ARM Assembly, complemented by hands-on experience in system-level programming and algorithm optimization. Recognized for exceptional problem-solving abilities, a collaborative mindset demonstrated in academic and extracurricular projects, and a proven track record of delivering high-quality service and technical solutions in fast-paced environments. Eager to apply a strong technical foundation and a dynamic approach to software development in a challenging role, driving innovation and efficiency in embedded system applications.

Education, Coursework, & Academic Projects

Michigan State University: College of Engineering   August 2019-December 2023
Bachelor of Science: **Computer Science**
East Lansing, MI

- **CSE 320 Circuits and Assembly**: Focused on the fundamentals of circuits and assembly language, providing a strong foundation in low-level programming and hardware interaction.
- **CSE 335 Object Oriented Design**: Created an Angry Birds clone in C++ using the wxWidgets toolkit, demonstrating skills in game design and GUI application development.
- **CSE 431 Algorithms**: Conducted a project comparing runtime complexities of various algorithms and data structures, showcasing skills in algorithm optimization and analysis.
- **CSE 410 Operating Systems**: Gained comprehensive knowledge in operating system concepts, enhancing understanding of system-level programming and process management. Developed a multithreaded Sorting Algorithm using C and POSIX Threads.
- **CSE 498 Collaborative Design**: Participated in an extensive project-based course, emphasizing teamwork, software design, and development in a collaborative environment with sponsorship from a company.
- **Awards & Honors**: Dean's List, MSU Non-Resident Scholarship

Technical Skills

- **Programming Languages & Scripting**: C, C++, ARM Assembly, JavaScript (React), Python, and Bash Shell scripting
- **Software Development Tools & Frameworks**: Experienced in developing programs using Microsoft MFC and wxWidgets
- **Operating Systems & Design Principles**: Unix, Object-Oriented Design, and Abstract Data Types

Experience

Sigma Tau Gamma - Michigan State University   January 2022-December 2022
Member: Standards Board Committee

- **Ethical Leadership**: Demonstrated commitment to integrity by being nominated for the Standards Board due to exemplary adherence to fraternity constitution and laws.
- **Selective Responsibility**: Entrusted as one of only three members to uphold and maintain the fraternity's core values, showcasing reliability and ethical judgment.
- **Collaborative Decision-Making**: Actively participated in bi-weekly meetings to evaluate and align brothers' responsibilities with fraternity legislation, enhancing organizational coherence.

Napleton Westmont Porsche, Westmont, IL   June 2021-August 2021
Porter | Customer Service Associate

- **Personalized Client Communication**: Engaged with over 200 clients to address their specific requests, including going the extra mile by retrieving a vehicle from remote Wisconsin, showcasing dedication and customer commitment.
- **High-Quality Service & Customer Engagement**: Skillfully managed multiple tasks in a fast-paced environment, consistently delivering high-quality service, while enhancing customer experiences through professionalism and effective problem-solving.

Kramer Foods, Hinsdale, Il   October 2016-August 2019
Stock Clerk | Customer Service Associate

- **Customer Interaction & Leadership**: Served as the initial point of contact for customers, delivering memorable experiences, and utilized leadership skills to maintain high operational efficiency.
- **Training & Teamwork**: Chosen by management to train new employees, demonstrating strong collaboration skills and a commitment to team development.