Tyler Hickerson

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Project demonstration: https://youtu.be/ySZ8JJSYoF0

Summary of Qualifications:

- Experience working in a team and leading a team towards an end product in robotics.
- Proficiency in full-stack development including and more specifically the MERN stack.
- Extensive experience in web development involving projects utilizing nodeJS, MongoDB, Redis, Express, React, HTML, CSS, and general Javascript. Also adept in non-web based development and have produced things like video games and robot code with languages like Java and C#.
- Ability to work in teams and take initiative.

Education

- California Polytechnic State University, San Luis Obispo (Cal Poly)
- Bachelor of Computer Science – Expected graduation date is June 2028
- Santa Rosa Junior College
- Took ~12 units: CS 10A, CS 50A, & HIST 17.1
- Maria Carrillo High School, Santa Rosa, California
- Graduated June 2024 with an unweighted GPA of 4.0

Computer Science Experience

MCHS Robotics 2022-2024

- Lead of software development - experience in programming and planning a long term software development task. Lead movement, autonomous, and visual processing programming.
- Worked interdisciplinarily with other members towards a common, shared task, and shared my advice and concerns with them in a team fashion.
- Became club president as a Senior, planning club events, managing funds, and taking on leadership over time management and project planning. Also helped manage team conflicts and create a safe team environment.

MCHS Coding Club & Video Game Dev CLubs 2021-2024

- Taught Coding to beginners as Coding Club President, managing club events, resources, and tutoring.
- Taught Game Development to beginners as Game Dev Club treasurer and Vice-President, managed team meetings and project planning, and also worked together with others on combined projects.

Winter 2023 Project Imersi

- Created a web-based quiz game utilizing the MERN tech stack as a solo full stack developer.
- Created and managed my own project timeline as well as created a project outline for my own use.
- Handled real-time updating using websockets, front and backend hosting, and frontend-design (etc.).

Everybody Just Wants One More Day 2024: https://poem-project-html.vercel.app/

- Worked among others to create a web-hosted game for an english project. Worked with artists, writers, and other programmers towards our common goal.
- Handled web-hosting and game programming.

Software Development Skills

- Proficiency with web-development in the MERN tech-stack and languages like C++, Java, C#, and to a lesser extent Python.
- Proficiency in game development with Unity.
- Proficiency in softwares including VSCode and Github.

Leadership and membership in other organizations:

- President at MCHS Robotics and MCHS Coding.   2021-2024
- Treasurer/Vice-President at MCHS Game Dev Club   2021-2024

Other work experience and skills:

- Roxy Stadium 14 - Concessions attendent.   2023-2024
- Music Production in FL Studio.
- Proficiency in Spanish Language.