Courtney Mueller

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● https://github.com/courtmuel ●

Skills

Software: C, C++, Java, Python, SQL (MySQL), MongoDB, HTML/CSS, TypeScript, JavaScript (React), Vue
Systems: Linux, Windows, MACOS
Applications: Microsoft Word, Microsoft Excel, PowerPoint, Adobe Applications
Hardware: Assembly / Arduino, Building Computers

Education

New Mexico State University   **Graduated May 2023**
Bachelor of Arts in **Computer Science**
Major GPA: **3.0**

New Mexico State University   **Graduated May 2019**
Bachelor of Science in **Kinesiology**
Minor: Clinical Exercise Science
Major GPA: **3.2**

Involvement

New Mexico State University E-Sports, *Esports Club Member / Player*   **Summer 2020 – Fall 2022**
- Demonstrated strong communication and collaboration skills – fostering a positive team environment.
- Enabled effective coordination and synergy amongst teammates improving the overall success of the program.

Work Experience

Tri-Sun Care Center, *Occupational / Physical Therapist Aide*   **March 2019 – August 2020**
Key Responsibilities and Accomplishments:
- Keep record of patient schedules and ensure they make it to schedule therapy on time.
- Assist in ensuring patients were following designated exercise procedure given by physicians.
- Help patients with their exercises and confirm they are doing them correctly to prevent injuries.
- Shadowed Occupational Therapists, Physical Therapists, OTA's, PTA's and Wound Care Nurse Specialists.
- Experienced working with at risk demographics during a pandemic situation.

New Mexico State University, *Swim Coach – Swim Instructor – Lifeguard*   **May 2016 – June 2020**
Key Responsibilities and Accomplishments:
- Provide swim lessons and coach competitive swimming for children between ages of three and eighteen.
- Ensure safety of all patrons and members of the public that use the facility as a lifeguard.
- Mentor children to provide not only essential teamwork skills, but individual leadership abilities as well.
- Help run large sporting events including swim meets and monthly lifeguarding in-services.

Projects

Working Compiler, *Sole Contributor*   **August 2022 – December 2022**
- Use C and GAS to develop a compiler that interprets source code and translates it to high-level machine language.
- Solo project completed by myself with the help of my professors and teaching assistants for my course.
- Used multiple data structures including abstract syntax trees and symbol tables to create a functioning compiler.
- Final compiler accounts for reading and writing and performing basic mathematic operations and function calls.
- Project improved my understanding of how machine language and source code co-exist and apply it practically.

Senior Project, *Group Member*   **January 2023 – May 2023**
- Semester long senior project that involved collaborating amongst several other developers.
- Developed a custom software overlay using standard programming languages and frameworks.
- Conducted extensive testing and debugging procedures to ensure a stable and reliable software solution.
- Developed a software interface solution using both back-end and front-end frameworks.
- Frameworks used included MongoDB, JavaScript (Vue.js, Node.js), TypeScript, as well as Rust.