Aleia Gerhardt

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Summary of Qualifications

- 8 years designing small and medium-sized parts in Rhino, Fusion360, and OnShape for various projects
- 9 years using C/C++ to code for robots designed to work both autonomously and with driver control
- 7 years implementing electrical components with code using Arduino platform

Certifications

- Certificate of Skill Attainment – Computer Science   Aug 2018 – May 2022
  - College of Southern Nevada, Henderson, NV   GPA: 3.4
- Certificate of Skill Attainment – Drafting and Design   Aug 2018 – May 2022
  - College of Southern Nevada, Henderson, NV   GPA: 3.4

Education

- High School Diploma   August 2018- May 2022
  - Coronado High School, Henderson, NV   GPA: 3.4

Work Experience

Frank Innovation Zone, Assistant Manager, Pullman, WA   Sep 2022 - Present
- Oversaw the use of tools and heavy equipment to provide assistance needed for students to safely work on personal and school related projects
- Instructed students in proper use of tools specific to working on electrical engineering projects

Code Central, Coding Instructor, Las Vegas, NV   Oct 2021 – Mar 2023
- Taught and demonstrated computer science and electrical engineering topics to students in an easily understandable way
- Guided students through Code Central Curriculum to build a small portfolio of computer science and electrical engineering projects

Collins Motorsports, Mechanic's Apprentice, Las Vegas, NV   Jul 2020 – Aug 2021
- Installed various radio and satellite communication devices in race-ready off-road vehicles
- Functioned as pit crew member during several off-road races to help refuel and change tires on vehicles

Acapoolco, Service Repair Assistant, Las Vegas, NV   Jul 2019 – Jul 2020
- Replaced broken electrical systems in residential pools to restore functionality to filtration and lighting systems
- Performed routine pool maintenance such as cleaning and use of chlorine to keep pools in clean and working condition

Extracurriculars

- WSU SWE, Pullman, WA
  - Currently serving as Industry Mentor, gathering industry professionals to host meetings for students to learn how best to prepare themselves for internships and jobs
  - Assisted in planning of Evening with Industry Prep Night by organizing the event and coordinating with club members to smoothly host the event
- WSU IEEE Pullman, Pullman, WA
  - Coordinate with outside sources to host events to educate students on electrical engineering
- Coronado High School Robotics Club, Henderson, NV
  - Managed and created electrical systems and functioning code for several robots to perform certain tasks and compete in competition
  - Competed in Vex Robotics tournaments and qualified for world championships in 2019-2020 year