

Dakota Seal

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Objective

Motivated, hardworking individual seeking a position to utilize my skills in electronics, data analysis, mathematics, physics, and material science while developing and learning new skills and abilities.

Education

08/2014 – 05/2019 **Boise State University - Boise, ID**
Bachelor of Science in Physics (Applied emphasis)
Minor in Material Science and Applied Mathematics
Deans list with honors

Experience

- 11/2019 – Present **Manufacturing Technician**, Micron - Boise, ID
- Assist Micron R&D teams by running silicon wafers and tests through proper fabrication process using knowledge of available tools and techniques.
 - Statistically Analyze data using multiple reports to identify and recognize fabrication trends, and use these trends to predict future processes that can be improved upon.
 - Find root cause solutions to area issues that are impacting overall fab performance and assist with resolution.
 - Contribute to continuous safety, quality, and improvement efforts.
 - Manage personal and assigned projects to better area quality.
 - Occasionally work in cleanroom or electro-static discharge sensitive environment.
 - Work 12+ hour shifts to maintain facility support.
- 07/2019 – 11/2019 **Water Resource Specialist I**, Idaho Power (through Express Employment)
- Participate in Idaho Power's cloud seeding program to provide additional waterflow for hydroelectric projects.
 - Perform field Work in teams with other resource specialists to ensure proper installation and execution of cloud seeding towers as well as other scientific instruments.
 - Apply mechanical principles to manufacture needed resources and structures using shop equipment and mathematical skills.
 - Install basic computer systems to towers and troubleshoot or modify AC / DC circuitry.
 - Install and remove systems involving chemical solutions and gases. Monitor and regulate said systems to be at the correct pressures to ensure proper flow rates.
 - Prioritize cost saving in day to day operations by ensuring maximum efficiency for travel between cloud seeding sights.
 - Regularly lift over 50 pounds and scale towers upwards of 30ft.

- 10/2018 – 07/2019 **IT Client Services Intern**, Boise School District
- Diagnose and troubleshoot technical problems relating to computers, monitors, printers, projectors, and mobile devices.
 - Install and set up technical devices for clients paying attention to specific configuration requirements.
 - Utilize customer service and communication skills to communicate issues and resolutions with teachers and clients.
 - Determine replacement, repair, or re-imaging of old or broken devices to assist in cost saving strategies and utilize resources appropriately.
 - Collaborate with other IT specialists to troubleshoot and resolve technical problems and tasks.
- 05/2018 – 10/2018 **Physics Lab Researcher and Technician**, Boise State University
- Research and process experiments using material science and applied physics knowledge.
 - Assist in the synthesis of tensile-strained quantum dots using molecular beam epitaxy technology.
 - Handle materials such as Indium, Arsenic, Aluminum, and Gallium using proper lab etiquette, protective equipment and safe handling methods.
 - Gather and analyze experimental data using imaging methods such as atomic force microscopy.
 - Derive and use mandatory physical equations to solve complex problems.
 - Present new findings in weekly meetings as well as report any essential data.
 - Aid in the setup, use, dismantling, and organization of lab equipment.

Skills

-Python	-Data Collection/Analyzation	-OSHA/Safety Awareness
-MATLAB	-Analog/Digital Electronics	-Power Tools/Equipment
- \LaTeX	-Communication	-Report Writing
-HTML5	-Adaptability	-SPC
-Troubleshooting	-Problem-solving	-Innovation
-Initiating Action	-Decision Making	-Work and Time Management
-GeRM/GDM	-Micron Central	-Toolview
-Tableau	-Microsoft Suite	-Collaboration

Why Hire Me?

I'm an individual with an interest in science, technology, and engineering, who is also adaptable and eager to learn! I have experience involving multiple time saving projects, data analysis, field work, shift work/changing schedules, and producing quality content for my employer and their customers! From analyzing and researching quantum dots at BSU to building cloud seeding towers for Idaho Power, I understand that safety on the job and providing for your customer always come first. I have direct professional experience with data analysis, AC/DC electrical systems and test equipment, computers, software, and programming. I believe my skills, experience, and great work ethic would fit well with your area and I would be a fantastic addition to the team! Please feel free to look at my GitHub (link on top of first page) to see some simple python examples I have made as well as the Latex code for this resume!