

Taylor J. Larrechea

PHYSICIST · COMPUTER SCIENTIST · PROBLEM SOLVER

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Experience

Applied Materials

Hillsboro, OR 97124

CUSTOMER ENGINEER

Oct. 2022 - Present

- Applied technical expertise to perform comprehensive tasks pertaining to defect metrology on cutting-edge Intel R&D CPUs.
- Managed the upkeep of multiple machines, including performing preventive and corrective maintenance along with troubleshooting tasks.
- Wrote Python scripts to automate repetitive processes and improve daily workflow.
- Demonstrated strong organizational skills by efficiently managing parts and keeping track of incoming and outgoing inventory.
- Invested in personal and professional development by completing trainings and earning certifications.

University of Oklahoma

Norman, OK 73071

INSTRUCTOR OF RECORD

Aug. 2021 - Aug. 2022

- Led lectures for groups of up to 26 students, demonstrating strong public speaking and instructional abilities.
- Demonstrated ability to explain complicated ideas in mathematics, logic, procedures, and physics at an understandable level.
- Created useful lecture notes and supplementary materials to enhance daily lessons.
- Developed and administered exams to assess understanding of key topics in introductory physics.
- Demonstrated strong time management skills by grading and returning up to 26 exams within a 24-hour timeframe.

Mesa Lavender Farms

Grand Junction, CO 81501

FORMULATION SCIENTIST / SOFTWARE DEVELOPER

Jun. 2020 - March. 2021

- Applied chemical expertise to create innovative cosmetics and accurately formulate recipes for a variety of products.
- Applied automation to increase efficiency and reduce the workload of operational tasks on machines.
- Demonstrated a strong understanding of safety protocols while working with toxic chemicals on a daily basis.
- Utilized JavaScript to create a desktop application that streamlined the management of MLF's product recipes.
- Utilized Word Press to manage and maintain the company website on a daily basis.

Colorado Mesa University Tutorial Learning Center

Grand Junction, CO 81501

CMU PEER TUTOR

Aug. 2017 - May 2020

- Provided tutoring in a variety of advanced mathematics and physics subjects, including Pre-Calculus, Calculus (1, 2, 3), Differential Equations, Mechanics, and Electricity and Magnetism.
- Successfully conveyed intricate mathematical and physical ideas in a clear and simple manner.
- Improved tutoring skills through various trainings and development opportunities.
- Obtained a Level 3 College Reading Learning Association certification.

Expert Electric

Rifle, CO 81650

APPRENTICE ELECTRICIAN

May. 2009 - Aug. 2019

- Carried out essential apprentice duties including cleaning the truck and shop, stocking the truck, and managing paperwork from job sites, demonstrating a strong work ethic and dedication to the job.
- Specialized in wiring residential and commercial structures for AC side of Solar PV interconnections, with a strong focus on efficiency and quality.
- Experienced in wiring residential houses at both the rough-in and finish stages, with a track record of completing work on 30-40 houses.

Colorado Mesa University Center

1100 North Ave, Grand Junction, CO 81501

CMU UNIVERSITY CENTER BUILDING MANAGER

Aug. 2017 - Present

- Answered questions and concerns for patrons in the University Center.
- Sold tickets to customers for sporting and fine art events.
- Handled lost and found items from around the University.

Colorado Mesa University Parking Services

1100 North Ave, Grand Junction, CO 81501

CMU PARKING ENFORCER

Aug. 2016 - Dec. 2017

- Patrolled the parking lots of CMU and wrote tickets to those who were in violation of school policy.
- Took payment for tickets and handled patron questions and concerns pertaining to parking services while attending the front desk.
- Wrote the record number of tickets in school history for the Fall 2016 to Spring 2017 academic year.

Brenden Theaters

Rifle, CO 81650

ASSISTANT MANAGER

Oct. 2013 - Aug. 2014

- Facilitated staff, ticket and concession sales, inventory, and customer concerns.
- Directed daily income and sales reports of concessions and ticket sales to corporate.
- Coordinated movie times and trouble shot issues with projectors and equipment.
- Directed usher crews throughout the cleaning process of separate theaters as well as the general building.

Sonic Drive-In

675 Wapiti Ct, Rifle, CO 81650

CREW LEADER

Mar. 2013 - Sep. 2013

- Worked as a cook making food for customers as well as a fountain attendant, carhop, and drive-thru attendant.
- Performed other tasks such as taking out the trash, cleaning the dining area and restrooms, unloading food truck on delivery days.

Rifle Art Dague Pool and Waterslide

1718 Railroad Ave, Rifle, CO 81650

BATTING CAGE ATTENDANT

Jun. 2012 - Aug. 2012

- Handled cash transactions with customers.
- Performed maintenance on broken machines.