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**EDUCATION**


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University of Oregon Master of Science – Applied Physics (Focus in Optical Materials and Devices)	Expected 09/18
California State University, Fresno (Summa Cum Laude) Bachelor of Science – Physics (Focus in Electromagnetism) Bachelor of Arts – Mathematics (Focus in Statistical Analysis)	08/14-05/17
Cuesta Community College Associate of Science – Mathematics	08/11-05/14

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**PROFICIENCIES**


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Advanced: Excel, LaTeX  
 Intermediate: Mathematica, Welding, Part fabrication, SAP  
 Novice: Lathe work, 3 & 4 axis mill work, Soldering, 3D Printing, C, C++, and R programming

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**EXPERIENCE**


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Mathematics Outreach Coordinator <i>California State University, Fresno</i>	01/17-06/17
<ul style="list-style-type: none"> <li>○ Collaborated with faculty, staff, and peers as a team to create lesson plans and activities that would engage a wide range of students who had dramatically different learning abilities and styles, leading to increased student engagement and interest in mathematics as a major</li> <li>○ Researched and implemented new teaching styles for nontraditional students in order to engage students that had not previously found mathematics accessible or interesting</li> <li>○ Personally created specific lesson plans using advanced LaTeX typesetting allowing the outreach team to present at multiple local high schools</li> </ul>	
Statistician (Internship) <i>Foster Farms</i>	01/16-09/16
<ul style="list-style-type: none"> <li>○ Designed automated statistical analysis tools to analyze large data sets and predict trends on every asset companywide, resulting in decreased analysis time from a minimum of 6 hours to a consistent 10 minutes, increased machine up time by 4-6%, and decreased maintenance cost by 5%</li> <li>○ Worked on a research team to develop proprietary programming language in SAP, Excel, and Access that automated the data collection process decreasing the data collection time from 1 hour to 5 minutes and created infrastructure for future data collection</li> <li>○ Presented findings on both data collection processes and data analysis programs to production and maintenance workers, upper management, and corporate officials to expand the systems</li> <li>○ Corresponded with 6 departments at 5 plants within the company to formulate methods to expand, improve, and implement the data collection and analysis procedures with a secondary goal of increasing interdepartmental communications and cooperation</li> <li>○ Maintained a high level of professionalism in order to adhere to companywide policies by always showing up on time or early, as well as meeting all deadlines or surpassing them</li> </ul>	
Tutor <i>Self Employed</i>	10/11-06/17
<ul style="list-style-type: none"> <li>○ Taught students in subjects including chemistry, math, and physics at the elementary school level through the post-bac level with a 97% pass rate for students who received tutoring</li> <li>○ Researched and employed advanced learning techniques in order to effectively teach students in accelerated courses and help students with learning disabilities</li> <li>○ Conducted tutoring sessions on an individual basis and groups up to 8, while maintaining open communication amongst all students and addressing all material based questions</li> </ul>	

## WORK EXPERIENCE

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Product Specialist/Sales Associate 08/16-05/17  
*Breco Inc.*

- Revised, completed, and submitted federal and state documents for nearly 500 transactions
- Managed and stocked inventory based on product sales and product requests from customers to maximize sales and minimize product waste yielding a more organized workplace and increasing revenue by 45% when compared to the same time period in the previous year
- Articulated and clarified complete product information to customers from 200+ manufactures and distributors so that customers could make proper and informed decisions
- Worked with coworkers and management to incorporate an automated sales system that ultimately reduced transaction time by 15%
- Performed opening and closing procedures including large end of the day deposits as an individual and as part of an opening and closing crew

Recreation Leader 05/13-04/16  
*City of Clovis*

- Supervised children and adults in a wide range of recreational activities in order to solve minor problems and conflicts on sight, as well as direct major issues to the proper authorities
- Planned, developed, organized, and oversaw activities as part of a team that was responsible for increasing community involvement within the city
- Reorganized and managed inventory of 6 sites to decrease the amount of goods that were discarded and increase the effective recreation budget being used for community members
- Maintained and repaired equipment, machines, and site grounds in order to keep processes and programs running effectively, allowing for the recreation department to increase the number of offered programs by 300% in 3 years

Marketing Representative 05/11-11/11  
*Vector Inc.*

- Maintained knowledge of complete product lines in order to answer all questions regarding products in an effort to help customers and distributors find products that best suited their needs
- Inspected, revised, and completed paper work for both incoming and outgoing sales that resulted in zero incomplete or invalidated orders
- Collaborated directly with management and incoming sales representatives to create sales plans and establish protocols that minimized errors

## VOLUNTEER EXPERIENCE

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Mathematics Department Mentor 06/16-05/17  
*California State University, Fresno*

- Consulted with students and faculty to ensure that students properly planned their schedules and were prepared for the material that was going to be covered in their classes, allowing for individual and group success during the semester
- Provided mental, intellectual, and emotional support to any student that needed help or assistance with a specific aspect or area of their life in an effort to decrease the dropout rate within the math department and increase overall wellbeing of math majors
- Corresponded with peers and faculty as part of a team to create community activities for math majors and as well as students that were not majoring in math, in an effort to include everyone in the field of mathematics and help students and staff improve their people skills and increase networking opportunities for all Fresno State students