

GUADALUPE ESPARZA

EDUCATION

2019 (Expected)	AS-T Mathematics + Engineering	Irvine Valley College
2018	NASA Aerospace Scholar Education	NCAS-NASA
2018 (Expected)	Certificate of Proficiency: Photonics	Irvine Valley College
2018 (Expected)	Certificate of Proficiency: Precision Optics	Irvine Valley College
2013	California Child Development Associate Teacher Permit	Irvine Valley College

TECHNICAL QUALIFICATIONS

Optic Skills: Experienced in handling and cleaning optics, coating check using various techniques such as various light sources and spatial-separation technique. Optical assembly, laser alignment, skilled in beam dispersion using HeNe lasers, measuring beam divergence and energy distribution of HeNe and Diode laser. Knowledgeable in measuring calibrated blocks to ensure tools are properly calibrated. Practiced optical quality inspections from visible to the eye imperfections such as cracks, scratches and digs, to stress through polarimetry, and small scratches and digs under inspection hood. Practiced and observed in-shop lapping/grinding. Acquainted with fiber alignment procedures including acquisition, reduction, and analysis. Measuring Noise Equivalent Power for detectors.

Management Skills: Experienced team leader. Conflict resolution. Efficient under pressure. Ability to prioritize independently. Time Management. Able to translate complex text into easily readable material

Foreign Language: Speak and write in Spanish.

PROFESSIONAL SOCIETIES

OSSC Student Member

2017-Current

As a student member, attend monthly meetings regarding technical talks by the optics community and related fields

Cal-SAC Member
2012-2016

On behalf of California's School Age Consortium, I would advocate to legislatures for continual funding to afterschool programs. Organize groups on what to discuss with legislatures or staffers Attend training events on implementing STEAM in afterschool programs and other evens related to the field.

WORK EXPERIENCE

Mathematics Tutor

2016- Current

Assist students with Algebra, Geometry, and Pre-Calculus Homework. Prepare students for tests and quizzes. Develop study and organizational skills in students.

**Assistant Director
Child Development
Center Inc
Menifee, CA**
2015-2016

Supervised staff and provided observation and feedback on a consistent basis. Assisted staff in the development of professional skills and while being responsible for communication and compliance of company policies and procedure. Ensured the highest quality program for children. Setting center-specific goals to achieve and maintain compliance and program quality. Overseeing appropriate budgeting, financial planning, resource management, and implementation of efficient systems. Maximizing enrollment and marketing the center's programs throughout the local community.

**Child Development
Lead Teacher
Oak Creek CDC
Irvine, CA**
2011- 2014

Created Developmentally appropriate activities and curriculum based on the interests of children supported by foundations in child development theory, Reggio Emilia and High Scope. Excellent customer service by creating authentic connections to families, school and community. Practiced 6 steps to problem solving model for children, self, and peers.

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