

Eric Garcia

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### Personal Profile

- Founder Precision Optical Full Service Wholesale Lab
- SIPI Optical Technology Advisory Board Member 2004 to Present
- SIPI Adjunct Professor Vision Care Technology Program
- 89.1 KANW Public Radio Volunteer Announcer and Broadcast Class Instructor 1983 to Present
- New Mexico Hispano Music Association Vice President
- Lovato Eyecare Office Manager 1985 to 1998

### Education and Certificates

- St Pius High School Graduate 1985
- University of New Mexico Bachelor of Science Psychology
- American Board of Opticianry Certified 1996
- American Indian College fund Teacher of the Year Award 2012

### Professional Experience

#### Precision Optical 2000 to Present

- I founded company to provide quality prescription lenses utilizing a state of the art full service wholesale laboratory facility. Designed lab layout which included equipment selection, setup and calibration. I am proficient in lens layout software (Innovations) which calculates the necessary parameters by which lenses are processed.
- In addition, I am able to customize software to configure machine interface, adjust layout parameters to insure a desirable result with respect to lens thickness and power verification to adhere to current ANSI standards. I am proficient with modern equipment including surface lens blocker, CNC lens generator, fining and polishing machinery, lens coating and lensometry. I am able to select appropriate lenses for orders which includes base curve selection, lens type based on order such as index of material, multifocal requirements and progressive type.
- I am able to process lenses applying finishing lens techniques such as lens layout and verification utilizing lensometer to set prescription based on doctor's prescription, verify and layout of prism orders and able to calculated compensated power for extremely strong Rx's. Finish

abilities include finish blocking to set layout for patient's papillary distance and multifocal drop and inset. I am able to edge/cut lens to fit lens into frame/eyewear. Once eyewear is complete, I am responsible for final inspection which includes prescription verification, final fit measurements and alignment of frame.

- I have trained my current staff on all processing techniques and state of the art equipment.

#### SIPI Optical Technology Advisory Board Member and Volunteer 2004 to present

- I have provided SIPI students with lectures and hands-on demonstrations as related to software, lens processing techniques and lens fabrications equipment. In addition I have provided SIPI staff with on-site machine maintenance, troubleshooting and calibration.
- As an Advisory Board Member I have provide suggestions to further develop the curriculum based on my experiences in real world working environment.
- Provided valuable input with regards to equipment purchasing.
- Solicited donations from vendors for lens and other materials need by students.
- My lab has served as an internship site providing valuable hands-on training for SIPI students. While under my tutelage, students are required to become proficient with the equipment necessary for prescription lens fabrication. During training, I have students apply formulas and theories learned in the classroom and have them apply to a modern working lab.

#### SIPI Adjunct Professor June 2011 to Present

Vision Care Technology Instructor: Courses 105 A Intro to Optics and 205 A Ophthalmic Lens Processing.

Provide in class lecture on Optical Lens Theory and Formulas used in industry. Course also includes instruction on operation, calibration and maintenance of state of the art lens processing equipment. Course also includes hands on training in fabrication techniques used to grind, edge and verify prescription eyewear. Course of study is a 2 year certificate degree.

#### Lovato Eyecare

- Served as office manager from 1985 to 1998. Lovato Eyecare is a family owned business in which I assumed practice management duties after having graduated from high school in 1985. Training included all aspects of lens processing and fitting/ dispensing techniques. I was trained by my grandfather to completely understand and apply optical formulas and theories necessary to manually calculate lens curvature, lens thickness, corrective power, axis orientation for finish and surface blocking. Equipment trained on included manual lens generator, lens marking, lens blocker, lap cutter, lens fining and polish machine, finish blocker, lens edger and lensometer. Processing equipment of the time required a complete understanding of prescription lens procedures since computer lab integration not available.