

# Casandra S. Solis, OD, FAAO

**Business:** Akron Children's Hospital • One Perkins Square • Akron, Ohio 44308

## Education

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**Doctor of Optometry, Pacific University College of Optometry** 8/2009 – 5/2013  
Forest Grove, Oregon

**Cleveland State University** 5/2007 – 5/2009  
Cleveland, Ohio

- Post-Baccalaureate coursework in the field of Health Sciences

**Bachelor of Arts, Case Western Reserve University** 8/2000 – 5/2004  
Cleveland, Ohio

- Major in Anthropology

## Professional Experience

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**Optometrist, Akron Children's Hospital** 8/2014 – Present  
Akron, Ohio

- Provide pediatric optometric examinations and management for children with refractive and ocular conditions.
- Deliver contact lens services for routine and medical reasons, including, but not limited to keratoconus, corneal irregularities, aphakia and high refractive errors.
- Participate in research, including the Convergence Insufficiency Treatment Trial – Attention and Reading Study (CITT-ART).
- Lecture on optics and the visual system, amblyopia, and optical correction to both ophthalmology residents and the ophthalmology fellow.
- Serve as an attending to ophthalmology residents and the ophthalmology fellow during their rotation at the children's hospital.

**Optometric Resident, Children's Mercy Hospital** 7/2013 – 6/2014  
Kansas City, Missouri

- Primary care pediatric residency with a large number of patient encounters.
- Manage common pediatric ocular conditions including amblyopia, non-refractive strabismus, ocular trauma, accommodative esotropia, nasolacrimal duct obstruction, and high refractive errors.
- Examine children whose systemic conditions have known ocular sequelae, such as sickle cell, diabetes, and juvenile idiopathic arthritis.
- Experience working with contact lenses, including routine, keratoconic, rigid gas permeable, and aphakic contact lens fittings and management.
- Act as a preceptor for fourth year optometry students on external rotations

**Optometric Intern, Hickam Air Force Base** 2/2013 – 5/2013  
Honolulu, Hawaii

- Primary care optometry in a military setting.
- Expanded experience with soft spherical and toric contact lens fittings.

**Optometric Intern, Northwest Pediatric Eye Care****11/2012 – 2/2013**

Bellevue, Washington

- Specialty practice that provided increased experience with pediatric patients.
- Routine testing skills included visual acuity, auto-refraction, cover tests, ocular motility, confrontation fields, stereopsis testing, accommodative testing, and cycloplegic retinoscopy.
- Gained practice with instillation of eye drops and contact lens insertion and removal instructions with children.

**Optometric Intern, Mayo Clinic Health System****8/2012 – 11/2012**

Albert Lea, Minnesota

- Worked with an O.D., D.O. in a hospital based setting to gain experience with an ocular disease heavy population.
- Diseases encountered include, but are not limited to, corneal abrasions, wet and dry age related macular degeneration, diabetic retinopathy, glaucoma, cataracts, uveitis, dry eye syndrome, and meibomian gland dysfunction.
- Gained exposure to Cirrus OCT, Humphrey Visual Field Analyzer, and foreign body removal.
- Observed cataract surgeries weekly. Observed additional procedures including ECP, SLT, YAG capsulotomy, fluorescein angiography, pterygium removal, entropion and ectropion repairs, blepharoplasty, chalazion draining, intravitreal injections, and temporal artery biopsy.
- Provided pre and post-operative care to patients with cataract surgeries, lid surgeries and laser procedures.
- Spent one day shadowing a pediatrician in Albert Lea, as well as two days shadowing a pediatric optometrist at the main Mayo Clinic Rochester Campus.

**Optometric Intern, Eye Care Group of Southern Oregon****5/2012 – 8/2012**

Grants Pass, Oregon

- Primary care optometry with an emphasis on medical optometry.
- Worked with five optometrists to examine patients of all ages, ranging from 8 months to mid 80's.
- Fit multiple soft spherical and toric contact lenses on patients. Worked with doctors to enhance vision with soft multi-focal and monovision fits.
- Gained exposure to Matrix Visual Field Analyzer, Opto-map, and Konan Cellchek

**Optometric Intern, Pacific University College of Optometry****5/2011 – 5/2012**

Forest Grove, Oregon

- Primary care and specialty care optometry as a 3<sup>rd</sup> year optometry student.
- Worked with attending optometrist to provide quality care, including correct diagnosis and treatment plans for all exams.
- Rotated through specialty clinics in pediatrics and vision therapy, ocular disease, and contact lens.

**Front Office Assistant, Pacific University College of Optometry****9/2009 – 5/2012**

Virginia Garcia Clinic, Cornelius, Oregon

- Assisted the office manager in answering phones, scheduling appointments and follow-up exams.
- Aided patients in the selection of frames, gathered measurements for complete glasses orders, and completed adjustments of frames when dispensed.

**Apprentice Optician, Union Eye Care****9/2007 – 8/2009**

Willoughby Hills, Ohio

- Answered phones, scheduled appointments and follow-up exams, and verified insurance.
- Helped patients in selecting frames, taking measurements, and dispensing and adjusting frames.

## Affiliations/Membership

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### American Academy of Optometry

Fellow, 11/2014 - Present

Student Fellow, 10/2012 – 11/2014

### American Optometric Association, Member, 9/2009 - Present

### Amigos Eye Care, Student VOSH, Pacific University College of Optometry

Student Member, 9/2009 – 5/2013

President Elect, 4/2010 – 4/2011

President, 4/2011 – 4/2012

### Student Ambassadors, Pacific University College of Optometry

Student Member, 9/2009 – 5/2013

President Elect, 4/2010 – 4/2011

President, 4/2011 – 4/2012

### Admissions Committee, Student Member, Pacific University College of Optometry, 9/2010 – 5/2012

## Optometric Service

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### RealEyes Presenter

Multiple pre-school and K-8<sup>th</sup> grade presentations May 2015 – Present

### Pediatric Screenings

Echo Shaw Elementary, Cornelius, Oregon 2/1/10

Tualatin Elementary, Tualatin, Oregon 10/17/09

### Special Olympics

Oregon, Newberg High School, Newberg, Oregon 7/14/12

Oregon, Newberg High School, Newberg, Oregon 7/16/11

Washington, Fort Lewis-McCord Military Base, Fort Lewis, Washington 6/4/10 – 6/6/10

Oregon, Nike Campus, Beaverton, Oregon 9/26/09

### Compassion Screenings

PDX, Portland, Oregon 7/9/11

SE, Portland, Oregon 6/18/11

PDX, Portland, Oregon 9/18/10

Beaverton, Beaverton, Oregon 10/9/10

### Humanitarian Vision Mission Trips, Amigos Eye Care, Pacific Student VOSH

Coya, Peru, doctor 3/25/17 – 4/1/17

Ixcán, Guatemala, student 8/10/12 – 8/19/12

Balbalan, Philippines, student 3/18/11 – 3/27/11

Ixcán, Guatemala, student 8/12/10 – 8/22/10

## Accomplishments

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**PU Alumni Association's Outstanding Graduate Award**, Pacific University, May 2013

**Forest Grove Lions Community Service Award**, Pacific University, Fall 2011

**Beta Sigma Kappa**, Pacific University College of Optometry, September 2011 – Present

## Posters and Publications

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1. **Casandra Solis O.D.** “Mydriasis and Paralysis of Accommodation Post-Immuno-therapy in a Pediatric Patient.” Poster. American Academy of Optometry Annual Meeting. Anaheim, CA. November 2016.
2. **Casandra Solis O.D.** “Pediatric Patient with Oculocutaneous Albinism: A Case Report.” *Optometry & Visual Performance*. 2015;3(4):233-7.
3. **Casandra Solis O.D.** “Treatment of a Corneal Abrasion in a Pediatric Patient.” Poster. Optometry’s Meeting 2014. Philadelphia, PA. June 2014.
4. **Casandra Solis O.D.** “Refractive Management of a Pediatric Patient with Marfan Syndrome.” Poster. SECO 2014. Atlanta, GA. March 2014.
5. **Casandra Solis O.D.** “Use of an Iris Fixated IOL for Marfan Syndrome in a Pediatric Case.” Poster. American Academy of Optometry Annual Meeting. Seattle, WA. October 2013.
6. **Casandra Solis B.A., Leonid Skorin, Jr. DO, OD, MS, FAAO, FAOCO.** “Presumed Ocular Histoplasmosis Syndrome Treated with Bevacizumab: A Case Study.” *Optometry Pharma*. June 2013. 6-8, 11.
7. **Casandra Solis B.A., Leonid Skorin, Jr. DO, OD, MS, FAAO, FAOCO.** “Floppy Eyelid Syndrome.” *The Indian Optician*. March 2013. 202-208.
8. **Casandra Solis B.A., Leonid Skorin, Jr. DO, OD, MS, FAAO, FAOCO.** “Bowen’s Disease: A Case Study of Surgical Excision of a Squamous Cell Carcinoma *In Situ* Lesion.” *Optometry Pharma*. December 2012. 28-29.

## Lectures

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1. **Casandra Solis O.D.** “Amblyopia Treatment and Management Panel.” Pediatric Optometric Care Conference. Kansas City, MO. May 24, 2019.
2. **Casandra Solis O.D.** “Pediatric Eye Exams.” EastWest Eye Conference – Allied Eye Professionals Course Track. Cleveland, OH. October 2017.
3. **Casandra Solis O.D.** “Patients With Special Needs.” EastWest Eye Conference – Allied Eye Professionals Course Track. Cleveland, OH. October 2017.
4. **Casandra Solis O.D.** “Pediatric Eye Exams.” Ohio Optometric Association - Zone 3 Quarterly Meeting. Fairlawn, OH. January 11, 2017.
5. **Casandra Solis O.D.** “Grand Rounds: Convergence Insufficiency Post Concussion”. Pediatric Optometric Care Conference. Kansas City, MO. May 27, 2016.
6. **Casandra Solis O.D., FAAO.** “Primary Care and the Red Eye”. Salem Regional Hospital Pediatric Update. Salem, OH. October 17, 2015.
7. **Casandra Solis O.D., FAAO.** “Common Pediatric Eye Conditions”. Mahoning Valley Community Pediatric Grand Rounds. Boardman, OH. February 25, 2015.
8. **Casandra Solis O.D., Marla Kennard O.D.** “Differences in Management of Adult and Pediatric Conditions”. Pediatric Optometric Care Conference. Kansas City, MO. April 11, 2014.
9. **Casandra Solis O.D.** “Amblyopia”. University of Missouri St. Louis College of Optometry Residency Day. St. Louis, MO. October 17, 2013.

## Peer Reviewed Abstracts

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1. **Solis CS, Prince L, Roberts TL.** Children Diagnosed with a Clinically Significant Vision Disorder after Failing a Vision Screening: A Retrospective Chart Review. *Optom Vis Sci.* 2017;94:175255

## Funded Research Studies

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### *Clinical Trials in Strabismus and Pediatric Ophthalmology*

*NIH-NEI U10 EY11751-11 (PI R. Beck, followed by R. Kraker; current 2014-2019)*

Current Role: Principal Investigator at Akron Children's Hospital clinical site (2018 – Present)

Previous Role: Investigator at Akron Children's Hospital clinical site (2015 – 2018)

- ATS 21 - Bifocals for the Treatment of Amblyopia, Investigator 2018
- IXT 5 – A Randomized Clinical Trial of Overminus Spectacle Therapy for Intermittent Exotropia, Investigator 2016 – Present

### *Office-based Vision Therapy for Improving Reading and Attention in Children with Convergence Insufficiency (CITT-ART)*

*NIH/NEI U10EY022599-01A1 (PI M. Scheiman)*

Role: Unmasked vision examiner, vision therapist at Akron Children's Hospital, (2014-2017)

## Professional Licenses

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Ohio Optometry License

Missouri Optometry License (Inactive)

## Additional Skills

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Conversational Spanish

## References Available Upon Request

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