

# DANIEL ESGUERRA

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## EDUCATION

**Yale University**, New Haven, Connecticut.

May 2022

- B.S., Electrical Engineering & Computer Science
- Relevant Courses: Introduction to Computer Science
- Spoken Languages: English, Spanish
- Programming Languages: Java, Racket

**Calvin Christian High School**, Escondido, California

June 2018

- Diploma, Rank: 1st in Class, GPA: 4.53, S.A.T.: 1540
- Relevant Courses: AP Computer Science, AP Computer Science Principles

**National Youth Leadership Forum**, UC Berkeley, California.

June 2016

- Participated in workshops promoting leadership in the field of engineering & technology

## WORK EXPERIENCE

**Cohu Semiconductor Equipment Group**, Intern

March 2017

- Assisted Project Manager with office work, attended project team meetings, learned basic Solidworks

**Valley Center Orthodontics**, Sterilization Technician

June 2016 -

- Prepared dental bays, sterilized dental equipment, organized tool trays

August 2016

## LEADERSHIP EXPERIENCE

**Varsity Soccer**, Team Captain

November 2017 -

- Conducted stretching drills, assigned player positions, communicated with referees

February 2018

**Student Council**, Secretary

August 2016 -

- Planned school events, recorded activity during meetings, scheduled council activities

June 2017

## EXTRACURRICULAR ACTIVITIES

**Institute Of Electrical And Electronic Engineers**

September 2018 -

- Soldered resistors, capacitors, and ICs onto boards for Apple I replica project

Present

**Yale Computer Society**

- Reached out to appropriate contacts regarding professional events for the upcoming semester
- Setup discussion panel for undergraduate computer science summer opportunities

September 2018 -

Present

**Yale Undergraduate Aerospace Association**

September 2018 -

- Began work on drivers for the cosmic ray detector for the Cube Satellite Project
- Contacted suppliers regarding magnetic sensors and orientation detectors
- Researched inexpensive materials necessary to insulate batteries in low-Earth orbit

Present

## SKILLS AND RELATED PROJECTS

- Spoken Languages: English, Spanish
- Related Skills and Programming Languages: Soldering, Java, Racket
- Projects: DNA Nucleotide to Amino Acid Chain Translator (Java), Text-Based Sudoku Puzzle Game (Java)