

# STEVEN J. CONAWAY

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## EDUCATION

### **St. Monica Academy**

Montrose, CA

Elementary, Middle, and High School

Currently in 12<sup>th</sup> Grade, GPA 4.59

## WORK EXPERIENCE

### **Mobile App Design and Programming**

We2Link Inc.

August 2019 – Present

Designing and programming Want 2 Remember, a React Native mobile application for iOS and Android to help those with traumatic brain injuries. It tracks daily activities, appointments, and other crucial memories. Developing by using the Agile methodology, with Jira for project management. Git branches and GitHub Pull Requests are used for easy code management. I assisted in the creation of tutorial videos introducing new team members to our project structure and workflow.

### **Air Quality Research**

eLA-Science, Los Angeles, CA

February 2019 – Present

Engineered and implemented drone-mounted Arduino-based sensors to collect air quality metrics. This project was to understand the impact of air quality on socioeconomic status, in particular, the underrepresented communities. I conducted flight experiments and analyzed data. I assumed a leadership role as the project lead making key architectural design decisions and conducting workshops. Additionally, we were invited to give a presentation at the Cal Poly Pomona Research Exposition, which unfortunately was cancelled due to COVID-19. Lastly, I received the East Los Angeles Community Youth Center's Environmental Justice Angel Award for my contributions to the lives of those in East Los Angeles.

### **STEM Instructor**

East Los Angeles Community Youth Center, East Los Angeles, CA

Summer 2018 — Present

Taught a "How to Build your own Arduino-based Smart Car" class, "Introduction to Drones", and "LEGO Robotics" to elementary- and middle-school students. Our Robotics team won second place in the First Annual Boyle Heights Robotics Competition. Also, developed the curriculum currently in use for the "How to Build your own Arduino-based Smart Car" class. In November 2020, I began teaching "Introductory Robotics Programming", a virtual class teaching students basic programming skills by use of VEXCode VR.

### **Programmer**

Unlocked Escape Rooms, Santa Clarita, CA

November 2018 – May 2019

Designing and programming Arduino-based props for escape rooms, such as RFID door locks.

### **Tutor**

January 2018 – Present

Tutoring middle- to high- school students from Saint Monica Academy and neighboring schools in various subjects, including Latin, Math, Chemistry, and Java Programming.

## **VOLUNTEER EXPERIENCE**

- Assisted in setting up computers and networking equipment at Saint Monica Academy, Summer 2020
- Organized and led the Saint Monica Academy Honor Society in Volunteer Service Projects at the St. Francis Center, Los Angeles and Santa Teresita Duarte, February 2020 – Present
- Participated with STEM students of the East Los Angeles Community Youth Center in the LA County Fair, September 2019
- Assisted in creating a new school website for St. Monica Academy, Spring – Summer 2019
- Participated in the OneLife LA walk and helped carry the Knights of Columbus Banner, February 2019
- Volunteered with the Adopt-a-Family Program at the Salvation Army, Newhall, CA, Christmas Break of December 2017 and 2018
- Led the St. Monica Academy Robotics Club to provide water to participants at the Hayden 5K Run and Walk, Duarte, CA, March 2018
- Greeted people and sung at The World Day of the Sick Mass at the Los Angeles Cathedral, Los Angeles, CA, February 2018
- High School Caroling, Mount View Retirement Home, Montrose, CA, December 2017

## **ACHIEVEMENTS**

### **Summa Cum Laude, National Latin Exam**

St. Monica Academy

May 2020

### **Commended Scholar**

National Merit Scholarship Corporation

September 2020

### **AP Scholar with Honor**

College Board

June 2020

### **The Rensselaer Medal**

Rensselaer Polytechnic Institute

April 2020

**Bausch & Lomb Honorary Science Award**

University of Rochester

April 2020

**One Gold, Two Silver, and One Bronze Medals**

California Academic Decathlon

February 2020

**Recipient of the Environmental Justice Angel Award**

East Los Angeles Community Youth Center

November 2019

**First Honors in Academics**

St. Monica Academy

**Maxima Cum Laude, National Latin Exam**

St. Monica Academy

May 2019

**Summa Cum Laude, National Latin Exam**

St. Monica Academy

May 2018

**Subject Medal in Latin**

St. Monica Academy

June 2017

**EXTRA-CURRICULAR  
ACTIVITIES**

- Founding and Current President and Team Captain of SMA's Robotics Club, September 2017 – 2020
- SMA Chamber Choir and Schola, 2017 – 2020
- Member of the St. Monica Academy Latin Club, September 2019 – 2020
- Member of the St. Monica Academy Academic Decathlon team, September 2019 – 2020
- Member of the California Scholastic Federation, 2018 – 2020
- President of the St. Monica Academy Honor Society, September 2019 – 2020
- Understudy, set construction, and stage crew for *Arsenic and Old Lace*, by Joseph Kesselring, at St. Monica Academy, March 2019
- Actor in *Hamlet*, at St. Monica Academy, November 2018
- Member of the St. Monica Academy Computer Science Club, 2017 – 2018

**SKILLS**

- Leadership and Teamwork
- JavaScript ES2020, HTML5, and CSS3
- React and React Native
- VEX EDR and LEGO Robotics
- Git and GitHub
- Arduino
- Python and embedded Python (MicroPython and CircuitPython)