

**Yuechuan (Canyon) Li | 1(520)-289-1059 | [yuechuanli54@gmail.com](mailto:yuechuanli54@gmail.com)**

## **EDUCATION**

### **Vail Academy and High School**

#### **Stanford Class of 2029**

**Tucson, Arizona GPA:** 3.925/4.0

**Potential Major:** Management Science & Engineering (MS&E)

#### **Honors:**

- 1.** Self-studied and successfully completed 12 AP/college courses as a Junior, almost double high school's previous recruit of 6.
- 2.** Finalist for the ACS 2024 National Chemistry Olympiad National Exam as the representative across from Southern Arizona region held at the University of Arizona
- 3.** 2nd place in Data Analysis event at AZ FBLA State Leadership Conference in Tucson, Arizona & competing at FBLA National Leadership Conference in Atlanta, Georgia
- 4.** Achieved multiple top-ten rankings at the 2024 Science Olympiad Southern Arizona or/and Arizona State Competition, including 5th place in Air Trajectory, Optics, and Chem Lab; 7th place in Experimental Design and Write and Do it; and 10th place in Astronomy.
- 5.** Received the "Excellence in Science and Engineering Research Award" from AIAA (American Institute of Aeronautics and Astronautics) in 2024 for my research on "Proton Exchange Membrane Fuel Cell."

## **TECHNICAL SKILLS**

- Mathematical Modeling (Developed 13 AP Calculus AB/BC instructional models on Desmos)
- STEM Education and Curriculum Development (Founder and Director of KEQI Tech Insight Studio)
- Data Analysis and Visualization (SPSS, Excel, Python, HTML, Desmos)
- Interdisciplinary Self-Study (11+ AP exams completed and passed)

## **PROFESSIONAL & LEADERSHIP EXPERIENCE**

### **KEQI (Tech Insight Studio)**

Online

**Founder & Lead Developer** | July 2024 – Present

- **Head of Educational Planning & Research Implementation:** Oversees the development of teaching content and research processes at Tech Insight Studio, ensuring the highest quality standards in all courses and educational resources
- Built and launched the **KEQI** website using HTML, CSS, and JavaScript, creating an accessible platform for personalized AP Precalculus and AP Calculus (AB + BC) learning resources
- Currently leading the initial development of an AI-powered software that generates highly personalized study material, including but not limited to textbooks, study guide practice questions, and exam simulation.

**URL** (please open by laptops): <https://techinsightstudio.com>

## **ACADEMIC EXPERIENCE**

### **FBLA Data Analysis Project**

Phoenix, AZ

**Data Analyst** | December 2022 – August 2023

- Analyzed World Bank datasets to assess market opportunities and risks for WidgetCo in China, France, Canada, and the U.S.
- Evaluated key metrics like GDP, unemployment, and inflation to provide strategic plan for international expansion
- Created clear data reports and an animated advertisement to present findings to WidgetCo executives

## **RESEARCH EXPERIENCE**

### **Efficiency of Proton Exchange Membrane Fuel Cell (PEMFC)**

Tucson, AZ

**Researcher** | September 2023 - Present

- Conducted an experimental study on PEMFCs, focusing on the energy conversion efficiency using hydrogen as the primary fuel source
- Analyzed efficiency in two distributions: hydrogen and oxygen from generation cylinders vs. oxygen extracted from air

- Performed significance tests and a two-sample t-test, confirming higher efficiency with water-generated hydrogen and oxygen
- Provided valuable insights into the operation of PEMFCs, contributing to advancements in clean energy technology

**URL:**

<https://virtualfair.sarsef.org/2023/research-on-proton-exchange-membrane-fuel-cells-or-pemfc/>

## **FBLA Arizona State Council**

Phoenix, AZ

**Communication Director of Sponsorship & Finance Council** | November 2023 – April 2024

- Helped managing sponsorship efforts, raising funds (sponsor) for state competitions and securing partnerships with local businesses

## **VAHS Science Olympiad Team**

Tucson, AZ

**President & Competition Director** | August 2023 – Present

- Directed the Science Olympiad team to achieve a top-6 in the Southern Arizona regional competition
- Coordinated team training sessions and competition strategies, mentoring peers in 23 different STEM-related fields

## **SPORTS & E-SPORTS**

**Esports – Identity V (over 300 million users)**

- Founded and directed an Identity V club, **TPOF (THE TOP OF FOUR)**, since August 2019, organizing bi-weekly 3 hours training sessions and daily practices during winter and summer breaks
- Oversaw TPOF's operations with a team of 8 executives, growing the club to over **70 active players and 120 total members**

