

# Qianle (Bill) Chen

Contact: qianlechen4324@gmail.com | [HarmonyWithNature.org](https://www.harmonywithnature.org) | [LinkedIn](#) | [Personal Portfolio](#)

## EDUCATION

### Arnold O. Beckman High School

- **GPA:** Unweighted 3.97/4.00 & Weighted 4.69/4.00

**Tustin, CA**

Aug 2022 - Present

### Irvine Valley College & Saddleback College, Dual Enrollment

- **GPA:** 4.00/4.00

**Irvine, CA**

Jun 2023 - Present

## EXTRACURRICULAR ACTIVITIES

### Harmony with Nature Non-Profit Organization 501(c)(3)

**Orange County, CA**

*Founder and President*

Aug 2022 – Present

- Established an environmental stewardship organization promoting sustainability in Southern California.
- Organized educational workshops and cleanup initiatives, involving 15+ board members and 300+ participants.

### California State Summer School for Mathematics and Science

**Los Angeles, CA**

*Research Summer Program*

July 2025 – Aug 2025

- Led a first-author poster project titled *Satellite Measurements of Evapotranspiration Predict Plant Water Stress*.

### Certified Rescue Scuba Diver for Ocean Conservation

**Irvine, CA**

*Recreational Volunteer Scuba Diver*

Mar 2023 – Present

- PADI-certified Rescue diver dedicated to marine conservation through hands-on underwater cleanup and data reporting initiatives. Partnered with environmental organizations to conduct targeted dives that remove debris, mitigate pollution, and contribute critical findings to the PADI global database. Certified in First Aid and CPR by the American Red Cross, ensuring safety leadership in all diving rescue operations.

### Wind Ensemble & Band Organization - Harmony Sounds Outreach

**Tustin, CA**

*First Chair, Principle, and Section Leader*

Aug 2022 – Present

- Founded Harmony Sounds Outreach, a music outreach group for elderly residents, and raised over \$1,000 for charity.
- Represented All-State and TUSD Honor Band (section leader), 8+ years performing Euphonium and Tuba.

### Narrak E-Bikes LLC

**Chino Hill, CA**

*Environmental Research Intern*

Jun 2024 – Aug 2024

- Conducted research on sustainable recycling methods and eco-friendly packaging solutions to reduce waste by over 30% and improve the environmental impact of electric bicycle production.
- Developed a patent focusing on innovative packaging designs that incorporated biodegradable and recyclable materials, enhancing the company's sustainability practices and aligning with green manufacturing standards.

## RESEARCH LAB EXPERIENCE

### Joint Institute for Regional Earth System Science and Engineering @ UCLA

**Los Angeles, CA**

*Research Assistant and Project Coordinator - Dr. Joshua B. Fisher*

Aug 2025 – Present

- Analyzed thermal satellite imagery to research wildfire progression and urban heat patterns. Developed and published GIS visualizations and thermal analytics; reports featured in NASA Jet Propulsion Lab's ECOSTRESS gallery.
- Coordinated a \$1M research project with the Orange County Fire Department to develop an AI-based decision-support model for wildfire response, serving as the primary liaison to translate operational needs into research goals and contributing to the design of algorithms for resource allocation and multi-incident decision-making.

### Languages and Transcultural Studies @ UCLA

**Los Angeles, CA**

*Lab Assistant and Coordinator - Dr. Nina Bjekovic*

Feb 2025 – Present

- Received training under professor's supervision, developing expertise in language program outreach and student engagement. Organized multilingual education initiatives, including language fairs and information sessions.
- Served as the primary liaison between UCLA's language programs and 30+ high schools in Southern California, managing outreach efforts for the German, French, Chinese, and Spanish language departments. Founded Lingua Harmonia Organization to facilitate access for students to linguistic and cultural learning opportunities.

## SELECTED PROJECTS

### Air Quality Sensor Development Project

- Developed AtmoFlow, a cross-platform mobile application for Android and iOS that tracks live air quality data, utilizing user-centered design principles to ensure accessibility and a seamless user experience at Cal Poly Pomona.

### Chen, Qianle. *The Little Tree That Could*.

- Wrote and self-published an illustrated book on urban reforestation and environmental stewardship, categorized under Forest & Tree Books and Recycling & Green Living Books.
- Organized book launch with Barnes & Noble, 50+ attendees, donating all proceeds to One Tree Planted NPO, supporting global reforestation efforts and funding the planting of over 500 trees in deforested areas worldwide.

## COURSEWORK

- **Selected Dual Enrollment Coursework:** Intro to Computer Systems, Environmental Law, Intro to Sustainability, Intro to Ecology, Intro to Psychology, Biological Psychology, Principles Macro Econ, Society and Sustainability, Evolution
- **High School Coursework:** AP Calculus, AP Literature, AP Statistics, AP Chinese, AP Computer Science, AP Physics 1, AP Physics C Mechanics, AP World History, AP Government, AP Economics, AP Environmental Science