

# JULIET ZHANG

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## EDUCATION

### University of California, Los Angeles

August 2021 - June 2025

*B.S. Computer Science*

*Los Angeles, CA*

- 4.0 GPA
- **Current Coursework:** Introduction to CS II, Linear Algebra
- **Completed Coursework:** Introduction to CS I, Introduction to Discrete Structures, Freshman CS Seminar
- **Organizations:** Association for Computing Machinery, Society of Women Engineers, Bruin Stock Group, Film and Photography Society

### Vista del Lago High School

August 2017 - May 2021

*Valedictorian*

*Folsom, CA*

- 4.0 GPA, 1590/1600 SAT
- **Coursework:** AP Computer Science Principles/A, Multivariable Calculus, AP Calculus AB/BC, AP Statistics
- **Scholastic Awards:** National Merit Scholarship Recipient, National AP Scholar, U.S. Presidential Scholars Semifinalist
- **STEM Awards:** Girls Go CyberStart National Championship (2nd place), UC Davis Teen Biotech Challenge (3rd place)

## EXPERIENCE

### California Department of Water Resources

June 2020 - August 2020

*Bay-Delta Office Student Volunteer*

*Remote*

- Employed geographic information system software (ArcGIS, QGIS) to visualize and analyze data of California water rights
- Updated maps with over 1,000 missing data points to provide engineers with more accurate data

## ORGANIZATIONS

### Association for Computing Machinery at UCLA

August 2021 - Present

*Cyber Intern*

*Los Angeles, CA*

- Collaborating with 4 other frontend developers to redesign website and capture-the-flag infrastructure using React
- Teaching at least one workshop on cybersecurity topics every quarter to approximately 50 attendees
- Performing weekly duties, such as writing newsletters and designing promotional materials

*AI General Member*

- Completed 8 weekly workshops covering the following topics: machine learning, Python, K-Nearest neighbors, linear regression, logistic regression, multiclass classification, NumPy, and Pandas
- Utilized skills from workshops to implement a logistic regression model from scratch

### Computer Science at Vista

August 2019 - August 2021

*President, Website Product Manager*

*Folsom, CA*

- Coordinated events exploring computer science (e.g., weekly workshops, Q&A panel with alumni studying CS, and cybersecurity competitions) to grow club from 25 to 71 members
- Delegated tasks to officers for biweekly member meetings and frequently communicated with club advisor

## PROJECTS

**Known Plaintext Attack Of Simple Substitution Cipher Program** (2021): C++

**Stock Trading Simulation Website** (2020): HTML, CSS, JavaScript, Python, Flask, SQL

**Service Events and Organizations Dynamic Website** (2020): HTML, CSS, JavaScript, Python, Flask, SQL

**All About Art Website** (2020): HTML, CSS, JavaScript

## SKILLS

**Programming Languages (in decreasing familiarity):** C++, Python, Java, HTML, CSS, JavaScript, React

**Tools:** Windows, macOS, Linux, Git, GitHub, Xcode, Visual Studio Code, BlueJ, Terminal, ArcGIS, QGIS, Microsoft Office

**Certificates:** Harvard University's CS50x Introduction to Computer Science, Codecademy's Data Science Pathway, Pace University's Desktop Geographic Information Systems