

# Albert W. Zhou

## EDUCATION

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| <b>Princeton University</b> , Princeton, NJ<br>A.B. in Molecular Biology, <i>magna cum laude</i> ; Certificate in Music Performance (viola)<br><b>Awards:</b> Shapiro Prize for Academic Excellence, elected to Sigma Xi | Sep. 2020 – May 2024  |
| <b>Royal College of Music</b> , London, United Kingdom<br>Semester abroad for music performance  | Sep. 2022 – Dec. 2022 |

## EMPLOYMENT AND RELATED EXPERIENCE

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| <b>Chamber Music Coach Intern, Pasadena Conservatory of Music</b> , Pasadena, CA  | Oct. 2024 – present   |
| • Coach youth chamber music groups<br>• Assist with program administration and planning   |                       |
| <b>Assistant Instructor, Adult String Ensembles, Pasadena Conservatory of Music</b>   | Sep. 2024 – present   |
| • Coach adult string ensembles consisting of adult students of varying levels<br>• Lead viola sectionals  |                       |
| <b>Lab Manager &amp; Functional Genetic Technician, Parker Lab, California Institute of Technology</b>  | June 2024 – present   |
| • Develop tools for transgenesis in <i>Dalotia coriaria</i><br>• Create transgenic <i>D. coriaria</i> lines<br>• Manage <i>D. coriaria</i> and <i>Drosophila</i> cultures<br>• Mentor high school student on an independent project<br>• Oversee day-to-day lab operations (from June 2025) |                       |
| <b>Freelance Musician</b> , Pasadena, CA  | June 2024 – present   |
| • Perform at donor receptions and similar events<br>• Perform in local orchestras, including Pasadena Symphony  |                       |
| <b>Undergraduate Teaching Assistant, Department of Chemistry, Princeton University</b> , Princeton, NJ  | Sep. 2023 – May 2024  |
| • Assisted with weekly discussion sections<br>• Evaluated written assignments<br>• Contributed to weekly problem sets<br>• Led exam review sessions and office hours  |                       |
| <b>Undergraduate researcher, Gavis Lab, Princeton University</b>  | Feb. 2023 – May 2024  |
| • Investigated the function of the Zn72D gene in <i>Drosophila</i> germline development<br>• Performed core molecular biology techniques<br>• Adapted to unexpected results through troubleshooting and designing new experiments<br>• Presented updates at lab meetings                    |                       |
| <b>Ophthalmic Technician Intern, Retina Eye Specialists</b> , South Pasadena, CA  | May 2022 – Sep. 2022  |
| • Communicated with patients about appointments and prescriptions<br>• Assisted physician by working up patients and performing optical coherence tomography  |                       |
| <b>Laboratory assistant, Center for Craniofacial Molecular Biology</b> , Univ. of So. Calif., CA  | June 2021 – Aug. 2021 |

**Public Services Captain & Assistant, Mendel Music Library, Princeton University**

Feb. 2021 – May 2024

- Managed circulation desk and answered reference questions
- Assisted with stacks maintenance, with a primary responsibility for shelving
- Uploaded, mapped, and published digitized music collections
- Trained new public services and digital collections student employees

**PRESENTATIONS AND PUBLICATIONS****Bapat RA, Aghazadeh M, Ji Y, Evans D, Bauer AE, Zhou AW, Liang T, Zhang H, Hacia J, Zhou Y, Paine ML (2025)**Development and characterization of *Odam-IRESCre*: an ameloblast maturation stage specific Cre driver line.  
*Lab Animal* (in review)**Zhou AW (2024)** The RNA-binding protein Zn72D contributes to *oskar* function and germline development. Senior thesis advised by Elizabeth R. Gavis**Zhou AW, Lee KY, Gavis ER (2023)** The RNA-binding protein Zn72D in germline development. MolBio Summer Research Program Poster Session**SERVICE**

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| <b>Tutor, School on Wheels</b> , Los Angeles, CA   | Apr. 2025 – present   |
| <b>Music Ambassador, Huntington Hospital</b> , Pasadena, CA                                    | Sep. 2024 – present   |
| <b>Research Volunteer, SEMILLA Research</b> , Olive View-UCLA Medical Center, Sylmar, CA       | Aug. 2024 – present   |
| <b>Emergency Department Volunteer, Los Angeles General Medical Center</b> , Los Angeles, CA    | Aug. 2024 – present   |
| <b>Viola Section Coach, Trenton Arts at Princeton</b> , Princeton, NJ                          | Sep. 2023 – May 2024  |
| • Led sectionals and provided guidance for Trenton high school students passionate about music |                       |
| • Featured in TAP fifth anniversary documentary  |                       |
| <b>Care Ambassador, Emergency Department</b> , Princeton Medical Center, Plainsboro, NJ        | Jan. 2023 – Apr. 2023 |
| <b>Care Ambassador, Telemetry Unit</b> , Princeton Medical Center, Plainsboro, NJ              | Jan. 2022 – Apr. 2022 |
| <b>Violin Teacher, Trenton Arts at Princeton</b> , Princeton, NJ                               | Sep. 2021 – May 2024  |
| • Taught free private lessons for Trenton high school students                                 |                       |

**LEADERSHIP**

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| <b>Principal Violist, Princeton University Orchestra</b>  | Sep. 2023 – May 2024 |
| • Served as coordinator between conductor, other principal players, and section members                 |                      |
| <b>President, Opus Chamber Music, Princeton University</b>  | May 2023 – May 2024  |
| • Oversaw and delegated officer board responsibilities  |                      |
| • Coordinated and planned concerts, auditions, and day-to-day operations for a smooth member experience |                      |
| • Served as liaison to university, music department, and other external parties                         |                      |
| • Implemented member feedback mechanisms  |                      |
| • Fostered collaborations with peer groups at Columbia University and the University of Pennsylvania    |                      |
| <b>Publicity Chair, Opus Chamber Music, Princeton University</b>  | May 2022 – May 2023  |

## **ACTIVITIES**

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| <b>Violist and Music Librarian, Vicente Chamber Orchestra, Santa Monica, CA</b> | June 2024 – present  |
| <b>Violist, Opus Chamber Music, Princeton, NJ</b>                               | Sep. 2021 – May 2024 |
| <b>Violist, Princeton University Orchestra, Princeton, NJ</b>                   | Sep. 2020 – May 2024 |