

Edi Zhang

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EDUCATION

University of California, Los Angeles (UCLA) | Los Angeles, CA **Sep 2023 - Jun 2026**

Bachelor of Science, Applied Mathematics, Minor in Data Science Engineering, Specialization in Computing

- GPA: 3.8/4.0 | Dean's Honors List
- **Relevant Coursework:** Honors Proof-based Linear Algebra, Diff/Eqs, Data Structures/Algorithms, Discrete Math, Classical/Quantum Mechanics; Planned; Applied Numerical Computing, Probability
- **Competitions:** BCG Case Competition Finalist, Hack on the Hill, Club Swimming Nationals Qualifier

WORK EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

Cleveland Clinic Lerner Research Institute | Researcher | Cleveland, OH **Jun 2024 - Present**

- Working in Dr. Xiaojuan Li's lab with interdisciplinary team of postdocs/students with 160+ publications
- Utilizing MATLAB/Python for particle-based shape modeling on knee MRIs to research shape variance
- Analyzing dataset of 275 MRI segmentations using NumPy, Scipy, Matplotlib, Pandas, and Tensorflow
- Applying morphometrics/principal component analysis techniques to accurately quantify bone structures

Bruin Sport Analytics | Data Journalist | Los Angeles, CA **Jan 2024 - Present**

- Conducting in-depth data analysis using Excel, Pandas, and NumPy to write data-driven sports articles
- Modeling correlations using linear regressions among different swimming events within 5% error
- Utilized BeautifulSoup and Matplotlib to efficiently web-scrape data and effectively visualize results

The Bruin Group Consulting | Associate Consultant | Los Angeles, CA **Jan 2024 - Present**

- Engaging in pro-bono projects through a premier consultancy for startups with a ~4.5% acceptance rate
- Spearheaded primary research on M&A strategies for a multi-billion dollar top-5 U.S. defense company
- Developing market sizing, casing, and data visualization skills through pro-bono projects for Acne startup

UCLA Campus Barber | Hair Consultant | Los Angeles, CA **Sep 2023 - Present**

- Offered low-cost, convenient, and high quality hair consulting services for 150+ students around LA
- Providing tailored recommendations for clients looking for new hairstyles, resulting in a 90%+ return rate
- Gained critical experience in customer service and marketing a small business with \$2k+ in revenue

Undergraduate Mathematics Student Association | Active | Los Angeles, CA **Sep 2023 - Present**

- Actively involved in student tutoring and mentorship groups, Integration Bee, and hosting professor talks
- Recruiting new members and promoting club events/competitions/presentations for students on campus

PROJECTS

Bone Shape Modeling | Cleveland Clinic | Cleveland, OH **Jun 2024 - Present**

- Drafting paper analyzing combined shape models of femur/tibia to predict osteoarthritis development
- Comparing various methods of concatenation for tibiofemoral joint with existing single bone models
- Evaluating models by accuracy in surface reconstruction/subject stratification by osteoarthritis severity

Strategic Partnership Research | The Bruin Group Consulting | Los Angeles, CA **Apr 2024 - Jun 2024**

- Collaborated with project managers to provide M&A recommendations for top-5 U.S. defense company
- Presented multiple decks throughout project scope and answered 80% of company questions for the team

ADDITIONAL INFO

Skills/Languages: Data Analysis (Python, SQL, Excel, Pandas, NumPy, Matplotlib, Tensorflow, PyTorch), C++, MATLAB, LaTeX, ReactJs (HTML/CSS/JS), OOP, Mandarin Chinese, Working Spanish, Adobe Indesign

Awards: AIME Qualifier (2-time), AP Scholar with Distinction, National Merit Commended Scholar, Monte Vista Athletic Booster Scholarship, USA Swimming CA/NV Sectionals Finalist, CIF State Swimming Qualifier

Interests: Blitz Chess (2200), Jazz Piano, Aladdin, Singing, Swimming, Rubik's Cubes, Floral Decorating