

Aidan Boyne

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EDUCATION

University of California, Los Angeles
BS Bioengineering, Mathematics Minor
▪ 3.86/4.00 GPA

Expected June 2023
Westwood, CA

EXPERIENCE

UCLA Biochemistry
Research Assistant

May 2021 - Present
Westwood, CA

- Analyzed yeast RNA modification mechanisms under Dr. Guillaume Chanfreau.
- Independently implemented procedures reducing RNA post-processing time by over 40%.
- Currently investigating effects of metal ion stress on RNA splicing factors and exosomes.

Institute For Myeloma and Bone Cancer Research
Research Assistant

April 2021 – June 2021
Hollywood, CA

- Conducted research on the immune response to COVID-19 vaccines in active cancer patients
- Implemented an online database to track over 10,000 blood and bone marrow samples.
- Edited research papers prior to publication in journals including *Blood* and *Hematological Oncology*.

Bruin Quants

November 2020 – December 2021
Westwood, CA

Founding Partner and Program Developer

- Codeveloped a 5-week workshop project introducing quantitative finance using Python.
- Utilized Pandas and Matplotlib packages for stock market data visualization and exploration.
- Recruited 70+ members within a week of the workshop's announcement.

UT Northeast Biomedical Research Center
Research Intern

June 2018
Tyler, TX

- Investigated biomechanical mechanisms of myosin protein.
- Used motility assays to determine possible roles of myosin defects in Epstein and Fetchtner disorders.

ZS Associates

Starting June 2022
San Diego, CA

Incoming Strategy and Management Intern

INTERESTS & OTHER EXPERIENCES

- **Teaching:** Taught math at Westwood Elementary school. Taught circuit design and coding bootcamps at underserved LA middle schools. Independently tutored over 40 students in math, chemistry, and physics.
- **Volunteering:** Developed a database and storage system for a bookstore benefitting medical nonprofits. Provided free tutoring to children of healthcare workers affected by the COVID pandemic. Volunteer at Claris Mobile Health Clinic. Mentorship chairman for UCLA Biomedical Engineering Society.
- **Cooking:** Worked as a cook at a steakhouse and a Mexican restaurant. Bartended in Texas and Sweden.
- **Music:** Played guitar and piano in rock, folk, and jazz bands.

PROFICIENCIES

- **Languages:** English (native), Spanish (working), Swedish (working).
- **IT:** Python (NumPy, Pandas), C++, MATLAB, Fusion 360, Microsoft Excel, PowerPoint.
- **Biomedical:** Immunoassays, PCR, Cloning, Blotting techniques, Cell Cultures, Instrument design.