

Aidan Boyne

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EDUCATION

University of California, Los Angeles

BS Bioengineering, Mathematics Minor

- 3.87/4.00 GPA

Expected June 2023

Westwood, CA

EXPERIENCE

ZS Associates

Strategy Insights and Planning Associate

- Spearheaded integration of novel semantic structures to quadruple query speed of state-of-the-art drug targeting tool.
- Contributed to database interface for a top 10 global pharmaceutical resulting in ~80% reduction of static storage requirements.

June 2022 – Present

San Diego, CA

UCLA Biochemistry

Research Assistant

- Streamlined RNAseq alignment and splice site identification bioinformatics pipeline.
- Independently implemented procedures reducing in lab RNA post-processing time by over 40%.

May 2021 - Present

Westwood, CA

Institute For Myeloma and Bone Cancer Research

Research Assistant

- 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*.

April 2021 – June 2021

Hollywood, CA

Bruin Quants

Founding Partner and Program Developer

- Codeveloped a 5-week workshop project introducing quantitative finance using Python.
- Recruited 70+ members for Pandas and Matplotlib workshops in stock market data visualization.

November 2020 – December 2021

Westwood, CA

UT Northeast Biomedical Research Center

Research Intern

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

June 2018

Tyler, TX

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:** Provided free tutoring to children of healthcare workers affected by the COVID pandemic. Mentorship chairman for UCLA Biomedical Engineering Society. Developed a database and storage system for a bookstore benefitting medical nonprofits. Volunteer at Claris Mobile Health Clinic.
- **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 (basic).
- **IT:** Python (Pandas, PySpark), MATLAB, Databricks, SQL, SPARQL, HTML, CSS
- **Biomedical:** Bioinformatics, Immunoassays, PCR, Cloning, Blotting techniques, Cell Cultures.