

Alexis Adzich

Los Angeles, CA 90024 • alexisadzich@gmail.com • (714) 656 - 7856 • www.linkedin.com/in/alexisadzich/

EDUCATION:

B.S. in Applied Mathematics (Specialization in Computing)

Expected Jun 2025

B.S. in Statistics and Data Science

University of California, Los Angeles (UCLA)

- GPA: 3.9/4.0
 - Coursework: Math Modeling, Optimization, Algorithms, Probability, Differential Equations, Linear Algebra, Machine Learning, Data Analysis and Regression, Computational Statistics, Accounting Principles
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PROFESSIONAL EXPERIENCE:

Peer Learning Facilitator

Sep 2023 - present

Office of Academic Excellence Peer Learning, UCLA

- Lead interactive weekly sessions, specializing in math/stats, facilitating over 13 UCLA courses and 35 students
- Prepare 3-4 weekly unique lesson plans & presentations to master key topics and motivate self-sufficient learning
- Foster collaboration and active learning amongst students, frequently seeking feedback to improve and adapt sessions

Accounts Receivable Intern

Oct 2019 - Sep 2023

WhenToWork, Inc.

- Processed and deposited 3000+ subscription payment checks, recording deposit slips and inputting payment info
 - Analyzed and categorized 10,000+ user data entries, such as company industry and shift titles, to pinpoint major customer bases and suggested implemented changes to suggest more intuitive AutoFill options and software updates
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RELEVANT PROJECTS:

Computer Vision Automated Tennis Tagger

Jun 2024 – Oct 2024

- Adapted open-source object detection models designed for official ATP matches to UCLA tennis match videos, creating frame-by-frame tracking data for player and ball movement
- Developed Python functions for perspective warping and smoothing ball paths to output automated visual analytics

Music Genre Classification with FNNs

Jan 2024 – Mar 2024

- Built deep learning model to classify 100+ music genres using feedforward neural networks (FNN)
- Analyzed attributes of 110,000+ songs, leveraging probability-based models to predict genre and explore correlations

Classifying Delinquent HELOC Mortgage Loans

Apr 2023 - Jun 2023

- Predicted borrower delinquency behavior based on 90,000+ HELOC mortgage loans and features
 - Created SQL database to import loan data with adaptable code for variable loan timelines and clear user interface
 - Utilized resampling methods to remit unbalanced classes and best fit the Keras models with feature training
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ASSOCIATIONS AND LEADERSHIP:

UCLA Tennis Consulting – Data Analyst

Apr 2024 - present

- Consulting the UCLA D1 Tennis team to provide players and coaches with personalized data-driven conclusions
- Produce match and season reports with interactive D3.js and Python visuals, highlighting actionable insights for ball movement or player strategy

DataResolutions – Research Team

Oct 2023 - present

- Investigating everyday applications of data science and exploring ML regression model evaluations
- Current Project: Exploring improvements to Gemma/DeepSeek LLM models to solve AI Math Olympiad problems

Bruin Capital Management – Quantitative Analyst

Sep 2023 – Jun 2024

- Pitched Healthcare ETF portfolio optimizing efficient frontier on mean-variance analysis and financial data statistics
 - Hosted interactive workshop for 20+ members on NLP for financial statements to evaluate uncertainty and volatility
 - Algorithmic Insights: Team leveraging ML/NLP to create grade-rating model assessing stock strength
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ADDITIONAL INFORMATION:

Computer Languages: Python, R, MATLAB, SQL, C++

Other Software/Tools: NumPy, Tableau, Scikit-Learn, Pandas, Matplotlib, D3.js, Keras, PyTorch, Microsoft 365

Interests: Embroidery/Sewing, Serbian Folklore Dance, Current Read: *The Black Swan* by Nassim Nicholas Taleb