# Oliver (Bingran) Pan

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## Education

*University of California, Los Angeles*, Los Angeles, CA — **B.S. Statistics and Data Science** Expected March 2026

Cumulative GPA: 3.73

Relevant Coursework: Practice of Statistical Consulting; Statistical Models and Data Mining; Design and Analysis of Experiment; Theory of Interest and Applications; Monte Carlo Methods; Computation and Optimization for Statistics; Linear Models; Variable Topics in Communication Technology and Digital Systems; Statistical Programming with R; Data Analysis and Regression; Computational Statistics with R; Mathematical Statistics; Probability

*Mt. San Antonio College*, Walnut, CA — **A.S. Elect/Comp Engineering Tech** June 2022–May 2024

GPA: 3.88

Relevant Coursework: Data Structures and Algorithms; Java Programming; Engineering Physics; Programming in C++; Discrete Math Application; Fundamentals of Computer Science

## Experience

*Anker Innovations LTD*, Ontario, CA — **Product Tester**                 June 2025–September 2025

    Tested products to ensure they meet quality, safety, and functionality standards

    Used and simulated use of products (electronics, cosmetics, apps, etc.)

    Provided feedback and documented issues

    Reported defects and inconsistencies

    Helped evaluate usability and customer experience

*Cecilia Tech Inc*, Ontario, CA — **Executive Secretary, IT Support**                 June 2022–August 2023

    Troubleshot hardware and software issues

    Maintained systems and networks; offered technical support

    Drafted cybersecurity proposals

    Trained staff in technology and security protocols

    Collaborated on IT strategies

    Managed executive calendars, documented meetings, organized and facilitated meetings, and led projects

*Code Ninjas*, Highchinda Heights, CA — **Coding Instructor**                 April 2022–June 2022

    Taught students computer programming concepts

    Helped students learn game development platforms

    Assisted students in creating and developing projects

    Encouraged students to break down complex concepts and problems into manageable steps

    Helped students develop strong problem-solving skills

## Project Experience

*Predicting Sleep Duration From a Person's Daily Information* — Research Project, UCLA                    2024

  Analyzed the Sleep Health and Lifestyle dataset to study how lifestyle variables (sleep quality, physical activity, age, daily steps, etc.) affect sleep duration

  Built and compared multiple regression models (full, stepwise, and best subset), using power transformations and diagnostics to address non-linearity and heteroscedasticity

  Interpreted multivariable regression output, residual plots, and model fit statistics to refine predictive performance

  Key findings: higher sleep quality and physical activity were positively associated with sleep duration, while age and daily steps showed negative associations

  Completed the full analysis in R, demonstrating skills in model selection and data visualization

*Language in Earnings Reports and Stock Movement* — Research Project, UCLA Econ 188C                    2024

  Investigated how CEO language in earnings call transcripts relates to short-term stock price movements using NLP techniques

  Collected and preprocessed 56 earnings call transcripts from 7 companies over 2 years, focusing on CEO prepared remarks

  Applied TF-IDF, chi-square keyness testing, and GloVe word embeddings for feature extraction; built Random Forest classifiers (best model reached ~64% accuracy)

  Used BERTopic for unsupervised topic discovery and examined how thematic content aligns with market reactions

  Found that confident, specific language tended to precede stock price increases, while vague or cautious wording correlated with decreases, with seasonal patterns across Q4 and Q1 calls

## Skills

Programming: Java, JavaScript, Python, R, C++

Other Technical: Simple Windows Debug, Block Coding

Languages: English, Chinese

## Awards & Activities

UCLA Men's Ultimate Frisbee

Honors Scholar Certification

Computer Science PLTW Certificate

CIF Swimmer

## Interests

Technology, 3D Printing, Basketball, Snowboarding

Rock Climbing, Hiking, Cooking