# Eliot Lee

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## EDUCATION

**University of California, Riverside** — Riverside, CA
*B.A. Mathematics* — *September 2020 – Dec 2025*

## TECHNICAL SKILLS

**Languages:** Python, SQL, MatLab, R, Swift
**Developer Tools**: Streamlit, Tableau, GitHub, Google Colab, Docker, Power BI, XCode, Jupyter, Anaconda

## EXPERIENCE

**Mobalytics** — Santa Monica, CA
*Data Analytics Intern* — *April 2024 – June 2024*
- Conducted comprehensive market research and data analysis on two major e-sports titles, analyzing key performance indicators and in-game decision-making patterns
- Generated actionable insights on player behavior, gameplay mechanics, and community dynamics to inform strategic decision-making and potential business expansion opportunities

**Apple** — Riverside, CA
*iOS Swift Intern* — *March 2022 – September 2022*
- Fabricated app proposals alongside a 7+ intern team to meet client Ad Astra Behavior Analytic Services' needs
- Attended weekly standups with mentors and client for constructive feedback on prototypes
- Completed a complementary 180 hour online course for iOS Swift

## PROJECTS

**LAyudar - LA Fire Relief Inventory Tracker** | *Python, Streamlit, Google Sheets API, HTML*
- Developed and deployed a Streamlit application to connect victims, volunteers, and shelters, displaying real-time inventory updates from a Google Form-synced Google Sheet.
- Implemented a card-based directory with clickable Google Maps links for navigation, item status highlights (green/red), and 7-day supply trends visualized in concise graphs.
- Streamlined data accessibility and decision-making during emergencies with an intuitive interface and seamless integration of dynamic resource tracking.

**TFT Carousel** | *Python, Streamlit, HTML, CSS, JavaScript*
- Developed a dynamic dashboard using Streamlit to visualize unit traits, abilities, and stats from a reactive dataset drawn from Riot Games' Teamfight Tactics (TFT)
- Integrated custom card components and interactive UI elements, enabling seamless navigation and data visualization of TFT units and their attributes.
- Leveraged custom components to create a dynamic UI for displaying and filtering TFT data.

**Clients-by-Case Classifier** | *Python, Tableau, Scikit-Learn, NLP, geopandas*
- Automated category classification of ABA pro-bono client queries across using a text-based neural network with a test accuracy of 72.17% and test loss of 27.83%
- Implemented exploratory data analysis and natural language processing techniques such as tf-idf
- Formatted a case study analysis for UCLA Datafest 2023 competition

**Recyclables Image Classifier** | *Python, Power BI, Microsoft Azure, Matplotlib*
- MLH RoseHack 2023 Best Use of Microsoft Cloud
- Trained and tested a machine learning model with convolutional neural network to discern between pictures of organic and recyclable waste at a 98% accuracy
- Created an interactive dashboard via PowerBI analyzing Brooklyn waste dataset

## CAMPUS INVOLVEMENT

**Association of Computerized Machinery** — Riverside, CA
*Vice President* — *February 2023 – Present*
- Manage internal operations and increased membership attendance rates by 15%
- Directed on-campus communications between major tech clubs and hackathons for an ACM workshop series