

Elise Pham

669-777-8946 | ephram03@g.ucla.edu | [linkedin.com/in/elise-pham](https://www.linkedin.com/in/elise-pham) | github.com/Elisep03

EDUCATION

University of California, Los Angeles

Bachelor of Science in Statistics and Data Science

Los Angeles, CA

Sept 2023 - Jun 2025 (Expected Graduation)

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, R

Developer Tools: Apache Spark, Visual Studio, PyCharm, IntelliJ, RStudio, PowerBI, Tableau, SQL Server Management Studio, Microsoft Office(Excel, PowerPoint, Access), PyTorch, TensorFlow, Google Colab

Libraries: scikit-learn, pandas, NumPy, Matplotlib, seaborn, tidyverse

EXPERIENCE

Buku Studios Consultant

Oct 2024 – Dec 2024

DataRes at UCLA

Los Angeles, CA

- Leveraged Google Analytics to analyze customer behavior insights, driving 3 main data-informed recommendations
- Developed 2 ETL pipelines using Spark to process and analyze customer behavior data
- Enhanced client deliverables by refining content for clarity, personalization, and accessibility, boosting 15% in website traffic

Math and Computer Science Tutor

Aug 2022 – May 2023

Evergreen Valley College

San Jose, CA

- Instructed 20 beginner to advanced students leading to a 40% improvement in their exam pass rates
- Devised over 15 customized practice examples for students to practice with outside the classroom
- Facilitated group studying sessions of up to 4 students, improving grades and exam scores by 10%

Data Science Research Intern

Jun 2022 - Aug 2022

San Jose State University

San Jose, CA

- Web scraped 500 raw data points to optimize vehicle routes and analyze urban development trends in Silicon Valley
- Built automated data pipelines to extract, transform, and load (ETL) urban housing data using Python
- Conducted analysis of benefits and internal processes to present senior management on 2 revenue growth opportunities

Technical Support Specialist Intern

Jun 2021 - Oct 2021

San Jose Digital Inclusion Fund

San Jose, CA

- Collaborated with a team of 6 and IT department to design trouble ticket database tracking over 30 technical support issues
- Resolved 81% of issues related to hardware devices, software updates, and hotspot access for local citizens
- Reported over 200 resident satisfaction metrics in a dashboard to compare key performance indicators to improve service

PROJECTS

NBA 2023-2024 Games Prediction | *Python, Google Colab, scikit-learn, Matplotlib, seaborn*

Nov 2024 - Dec 2024

- Developed 3 predictive features for game outcomes using 5 machine learning algorithms, such as Random Forest and SVM
- Preprocessed 2,460 entries by performing EDA, developing weighted functions, and classifying observations as binary outputs
- Tuned models using PCA and K-fold cross-validation, achieving 70% testing accuracy for Logistic Regression

Music Analysis Dashboard | *SQL, PowerBI*

Aug 2024 - Aug 2024

- Designed a PowerBI dashboard with visual graphs to analyze trends from a music database of 2,500+ entries
- Developed 10 SQL queries using joins, CTEs, aggregate functions, and more for data manipulation
- Analyzed data-driven decision making and risk management with 5 clear, actionable insight

Multiple Linear Regression: Solar Radiation Prediction | *R, RStudio*

Feb 2024 - Mar 2024

- Predicted Solar Radiation level through a multiple linear regression model and 3 R visual diagnostic plots
- Determined relationship and distribution of 9 variables after data mining and statistical packages utilization
- Concluded that an increase in temperature resulted in an increase of radiation by 12.474 units

Binary Image Cats and Dogs Classification | *Python, PyTorch, TensorFlow, Google Colab*

Jan 2024 - Mar 2024

- Collaborated with a team of 10 to program a model that analyzed whether an image was a cat or dog, testing on 2000 images
- Implemented machine learning models and CNNs, leveraging techniques like data regularization to improve generalization
- Compiled individual models and algorithms onto Google Colab to result in an 80% project accuracy rate

EXTRACURRICULARS

Consulting Member, DataRes Club (Oct 2024 – Present)

- * Provide technical insights to identify areas for improvement, such as client experience and service optimization

Workshop Leader/General Member, National Student Data Corps Club (Sept 2023 – Present)

- * Develop and lead specialized quarterly data science workshops for over 50 active members

Treasurer, Women in STEM Club (Aug 2022 – May 2023)

- * Managed fiscal costs for club events and organized monthly meetings with female STEM professionals for 20 members