

Chloe Florit

Email: chloe.florit@gmail.com

Mobile: 415-494-1427

EDUCATION

University of California, Irvine, September 2024- December 2025

Master of Data Science

Relevant coursework: Artificial Intelligence, Databases and Data Management, Intermediate Probability and Statistical Theory, Machine Learning (*anticipated*), Deep Learning (*anticipated*)

University of California, Los Angeles, 2020-2024

Bachelor of Science in Mathematics and Economics

King's College London, Spring Semester Study Abroad, 2024

Relevant coursework: Statistical Modeling, Fourier Analysis, Organizational Change, and Marketing Analytics

EXPERIENCE

Technical Intern, Cisco Systems: *AI Research Group* (June 2023 - September 2023)

Location: *Remote*

- Actively researched and presented strategies to reduce hallucinations of Large Language Models (LLMs)
- Used LoRA to finetune Large Language Models on benchmark datasets
- Fine-tuned LLaMA models using zero-shot and one-shot prompting

Undergraduate Research Assistant, University of California, Los Angeles (2022-2023)

- Developed agent-based models in Python for pedestrian evacuation incorporating behavioral changes based on crowd densities
- Conducted exploratory data analysis on a Swedish dataset to examine the effects of paternal shock across generations using Python
- Prepared findings in the form of a paper for the head of the department

Data Blogger, DataRes at UCLA (September 2022 - March 2023)

- Collaborated in teams of 4-5 members to find data of a topic of interest
- Conducted data analysis in Python, produced visualizations, and communicated findings through written articles
- Trained machine learning models (Naive Bayes, Logistic Regression) to detect sarcasm in Reddit news headlines

SKILLS

- **Programming Languages:** Python (NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, TensorFlow, Web Scraping, Flask, SQL, Plotly, Mesa, LoRA)
- **Tools:** Microsoft Excel, GitHub
- **Languages:** French (fluent), English (fluent), Spanish (proficient)

KEY PROJECTS

Fake News Classification: Developed a neural network model using TensorFlow to classify fake news articles based on content

NOAA Climate Data: Created a SQL database for climate information and generated interactive visualizations

Bias in Machine Learning Predicting Patient Risk: Investigated racial bias in patient risk prediction algorithms

Lyric Generator (*group work*): Scraped lyrics data, developed a Markov language model, and created a web app using Flask

RELEVANT COURSEWORK

- **Mathematics:** Calculus, Linear Algebra, Probability Theory, Statistics, Optimization
- **Program in Computing:** Python with Applications