

# Kaylin Chung

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## EDUCATION

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### UCLA

Expected to Graduate: June 2026

Bachelor of Science in Computer Science

Los Angeles, CA

- GPA: **3.8/4.0**, Dean's Honor List
- **Relevant Coursework:** Software Construction Laboratory, Data Structures and Algorithms (**C++**), Algorithms & Complexity Theory, Computer Graphics, Computer Architecture & Assembly Language, Multivariable Calculus, Linear Algebra, Differential Equations

## PROFESSIONAL EXPERIENCE

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### UCLA Health Office of Health Informatics & Analytics (OHIA)

June 2024 - Present

Machine Learning Engineering Intern

Irvine, California

- Integrated an End-Stage Kidney Disease predictive model into **Databricks** (DB) platform; resulted in retrieving of over 200 lost features and streamlining deployment for UCLA Health's Nephrology Unit
- Piloted OHIA's LLM experiment that will leverage **Text Extraction** to support UCLA Health's Operation and Support employees
- Created secure data pipelines to Azure OpenAI endpoints & configured locally-hosted models within DB Unity Catalog

### Associated Students of UCLA (ASUCLA) Marketing Department

September 2023 - Present

Frontend Web Developer

Los Angeles, California

- Developed mobile-responsive landing pages using **JavaScript/HTML/CSS** and digital marketing assets for ASUCLA entities that increased user engagement by 30% measured by Klaviyo Platform
- Increased ASUCLA website ADA compliance by 15% via targeted analysis and remediation utilizing the SiteImprove platform

### The Data Science Union at UCLA

April 2023 – Present

Director of Data Science Training

Los Angeles, California

- Taught 20-week accelerated Python data science course with focus on **data analysis**, introductory **machine learning**, & **data visualization**
- Pioneered as the first female curriculum director, fostering an inclusive environment through one-on-one peer mentoring and biweekly bonding activities

### Association for Computer Machinery (ACM) Hack

November 2023 – Present

Officer

Los Angeles, California

- Directed a new event "[HackCraft](#)", an 8-week beginner-friendly, technical workshop series
- Taught 50+ attendees how to build a Chrome extension and Discord Chatbot via live-demo and peer-to-peer mentorship

Intern

- Implemented ACM 12-hour hackathon [event website](#) with HTML, CSS, JavaScript, Gatsby and MaterialUI to streamline operations efficiency for 100+ participants
- Taught a comprehensive Web API tutorial workshop for hackathon participants, assisting attendees to utilize Web APIs in 30 final projects

## PROJECTS

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**jam** | *MongoDB, Express.js, React.js, Node.js, HTML/CSS/JavaScript, Git, GitHub*

- Built a robust [full-stack web app](#) to provide real-time social listening and monthly music statistics using Spotify API
- Leveraged **Express.js** and **MongoDB** for user data storage/retrieval & security authentication

**Gilmore Girls Transformer** | *Pytorch, Pandas, NumPy*

- Built a [Transformer language model](#) that generated stylistic "Gilmore Girls" TV-show script text
- Attained a comprehensive understanding of the Transformer architecture by implementing custom neural network training code in **Pytorch** and using the AdamW optimizer for parameter updates

**Yelp Restaurant Review Aspect-Based Sentiment Analysis** | *NLP, NLTK, Pandas*

- Utilized aspect-based term extraction with the **BERT NLP** model, leveraging **NLTK** and **Pandas** to provide more insightful Yelp restaurant reviews through aspect-based sentiment analysis

## TECHNICAL SKILLS

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- **Languages:** Python, C++, C, HTML/CSS, JavaScript, SQL, x86 Assembly, Shell Script
- **Frameworks/Databases:** React, React Native, Node.js, Express.js, MongoDB
- **Data Science/ML Libraries:** Pandas, Tensorflow, PyTorch, scikit-learn, NumPy, Seaborn
- **Tools:** Git, Linux, GDB, Adobe Creative Suite, Figma, Emacs