**Morgan Mason**

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# EDUCATION

## University of California, Los Angeles (UCLA) Los Angeles, CA

*BS in Computer Science Graduating June 2025*

* **GPA:** 3.95
* **Honors:** Deans Honor List, Upsilon Pi Epsilon, Tau Beta Pi
* **Extra-curriculars:** ACM AI Officer, UPE Chair
* **Relevant Coursework:** Software Construction, Algorithms, Operating Systems, Computer Network Fundamentals, Programming Languages, Machine Learning, Data Science, Distributed Systems, AI

# EXPERIENCE

## U.S. Bank Remote

## *AI Research and Development – Credit Risk Intern 2024*

* Conducted comprehensive research on AI use cases within the banking sector.
* Developed an advanced chatbot utilizing credit-risk model documentation to streamline the process for senior management in addressing onsite regulatory examination inquiries regarding model outputs, expediting the hour long process to a few seconds.
* Automated the collection and reporting of profitability and asset quality ratios across bank competitors, reducing lead times for senior management to benchmark performance against peer banks.

## ACM AI Student Chapter UCLA

## *ACM AI Officer 2023 – 2024*

* Lead initiatives to teach machine learning and artificial intelligence topics to over 100 students through engaging presentations and Jupyter notebooks.
* Foster a collaborative learning environment, enhancing members' understanding of complex concepts in AI and ML.

## Channie’s Handwriting Guides Remote

*ERP Implementation and Inventory Specialist 2020 - 2022*

* Managed inventory tracking, ordering, and receiving for physical inventory across multiple warehouse sites through the SQL-based Fishbowl app. Streamlined error-handling mechanisms resulting in 80% improvement in cycle times.

## Acalanes Union High School District Lafayette, CA

*Tech Support 2021*

* Performed computer and software upkeep tasks: software installations, network maintenance, and physical infrastructure setup

*Teacher’s Assistant-APCSA 2020 - 2021*

* Assisted teacher with lesson plans and provided tutoring assistance to 60 students.

## California Department of Transportation Oakland, CA

*Office Intern 2019*

* Performed general administrative/office tasks. Assisted Division of Construction district office engineers with sorting and filing of construction project paperwork for audit purposes.

# PROJECTS

## Loan Model Documentation Chatbot | *Python, Lang Chain, Power Automate* 2024

* Developed a chatbot application for automating consultation of banking model documentation related to CCAR (Comprehensive Capital Analysis and Review) assessments, aiding consultants in finding answers in seconds for time sensitive tasks.
* **Implemented** a document processing pipeline that efficiently extracts, cleans, and vectorizes text for querying documentation.

## Excel Table Joiner | *React, JavaScript, Node, GitHub, GitHub Pages* 2024

* Created website to help join excel sheets whose indices do not match. Intended for the comparison of SEC filing over time, where names and columns may have changed over time. Website is deployed using GitHub pages and React.
* Received feedback of greatly expediting comparison of data, shortening 2 day job to 2 hours.

## IBM Data Science Capstone | *Python, Jupyter, BS4, Pandas, Dash, Matplotlib, Scikit-Learn* 2023

* Applied data science process to evaluate SpaceX launch and landing information. Deployed web-scraping programs to collect information, analyze data, train ML models, and visualize results using Dash framework.
* Capstone project of IBM Data Science Professional Certificate.

## ACM AI Tweet Analysis | *Python, Pytorch, Scikit-Learn, Hugging-Face* 2023

* Created and Led project to build BERT model for performing sentiment analysis on tweets. Created Google Colab Jupyter notebook for members to follow along in the process of building a model from scratch using data sets from Kaggle and embeddings from Hugging-Face.

## Meta Front-End Developer Capstone | *Figma, React, Node* 2023

* Designed and built restaurant website for the fictitious Little Lemon Restaurant to display menu information and create reservations while following best UI/UX practices and best search engine optimization practices.
* Capstone project of the Meta Front-End Developer Professional Certificate.

## Meta Back-End Developer Capstone | *Python, Django, SQL, Insomnia* 2023

* Created a Django application for the fictitious Little Lemon Restaurant. Created RESTful APIs for handling table reservations, registration, and authentication, integrated with a MySQL database. Implemented tests using unit test and Insomnia.
* Capstone project of the Meta Back-End Developer Professional Certificate.

# ADDITIONAL SKILLS & INTERESTS

**Languages:** Native English, Fluent Mandarin

**Programing Languages:** Python (Jupyter, Pandas, NumPy, Django, Flask, PyTorch, Scikit-Learn, LangChain), C++, Java, Bash, HTML, CSS, JavaScript (React, Node, Express), SQL

**Tools & Platforms:** Git, GitHub (Actions, Pages), Docker, RDBMS (MySQL, SQLite), AWS (Lambda, EC2, S3), MS Office

**Interests:** AI, Robotics, Travel, Strength Training, Cooking