

Hedy Lamarr

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EDUCATION

University of North Carolina at Chapel Hill | Chapel Hill, NC

May 2026

B.S. in Computer Science, Statistics

Relevant Courses: Machine Learning, Data Structures, Algorithms, Files & Databases, Object-Oriented Programming

TECHNICAL SKILLS

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

Technologies: Docker, Flask, Git, Node.js, PyTorch, React.js, REST APIs

Tools: Apache Beam/Hadoop/Spark, BigQuery, GCP, Jira, Jenkins, Jupyter, Snowflake, Tableau

EXPERIENCE

Spotify | New York, NY

June 2025 - Aug. 2025

Data Engineer Intern

- Designed a cumulative aggregated dataset hosted in BigQuery and GCS to unify **multiple** data pipelines for podcast consumption metadata, centralizing data sources and reducing computational overhead for various metrics
- Implemented the dataset using Scala and Apache Beam APIs, achieving a **60%** compression versus the raw metadata source and enabling faster, more efficient queries
- Analyzed **hundreds** of trending, book-based playlists and conducted A/B tests to validate targeted audiobook campaigns, uncovering avenues for audience growth

UNC Department of Computer Science | Chapel Hill, NC

Aug. 2024 - Present

Lead Teaching Assistant

- Hosting **10** weekly office hours and grading exams for over **200** students enrolled in Object-Oriented Programming
- Managing and coordinating support tasks for **12** undergraduate teaching assistants

Apple Inc. | Cupertino, CA

May 2024 - Aug. 2024

Data Engineer Intern

- Pioneered a multi-level Tableau dashboard system for Apple Maps, automating project status reporting and KPI monitoring for **10+** regional sub-teams
- Streamlined complex data sources in Hive using data wrangling techniques, reducing metric reporting time by **95%**
- Evaluated and presented findings and recommendations for data infrastructure optimization to senior VPs

Comtech Telecommunications | Remote

May 2023 - May 2024

Software Engineer Intern

- Built and deployed **8** new front-end features and improvements to the emergency locator web platform within **6 months**
- Automated **100%** of the backend API test suite using Node.js and Chai and implemented real-time status monitors for critical APIs, leading to a **95%** reduction in error response time

PROJECTS

RoadRisk | R, Python

December 2024

- Interpreted over **6 million** traffic incident records and built Random Forest, Naive Bayes, Logistic Regression, and SVM models to predict accident severity, reaching an accuracy of **83%**
- Employed dimension reduction and random undersampling techniques to improve model performance by **+10%**

Flaming Insights | Python, Tableau

September 2024

- Conducted data analysis on **1.88 million** wildfire records spanning **24 years**, revealing a significant increase in the frequency of wildfires, with an annual growth rate of **3.5%**
- Identified the **top 5** fire-prone counties and found that Human Activity was the leading cause in **64%** of cases