

Hedy Lamarr

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EDUCATION

University of North Carolina at Chapel Hill

B.S. in Computer Science, Statistics

May 2026

Chapel Hill, NC

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

Jun. 2025 - Aug. 2025

Data Engineer Intern

New York, NY

- 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

Aug. 2024 - Present

Lead Teaching Assistant

Chapel Hill, NC

- 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.

May 2024 - Aug. 2024

Data Engineer Intern

Cupertino, CA

- 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

May 2023 - May 2024

Software Engineer Intern

Remote

- 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

Dec. 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

Sep. 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