**Hedy Lamarr**

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**EDUCATION**

**University of North Carolina at Chapel Hill** **May 2026**

*B.S. in Computer Science, Statistics* *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