

# Alan Turing

[Email] | [Phone] | [LinkedIn Profile] | [GitHub Profile] | [Portfolio (if applicable)]

## EDUCATION

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

May 2027

Master of Science in Computer Science

- Relevant Coursework: Machine Learning, Distributed Systems, Algorithms, Cloud Computing
- Research: Developing scalable deep learning models for real-time fraud detection in financial transactions (advised by Dr. [Advisor's Name])
- Thesis (if applicable): "Enhancing Anomaly Detection in Large-Scale Systems Using AI"

North Carolina State University | Raleigh, NC

May 2022

Bachelor of Science in Computer Science and Environmental Science

Honors: Dean's List (all semesters), Magna cum Laude

## INDUSTRY EXPERIENCE

IBM – Research Triangle Park, NC

Software Engineer

June 2022 – July 2024

- 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

Fidelity Investments – Durham, NC

Software Engineer Intern

May 2021 – August 2021

- Engineered a React and Node.js dashboard for real-time stock analysis, improving data refresh rates by 50%.
- Created RESTful APIs using Java Spring Boot to integrate investment analytics with customer dashboards
- Developed SQL queries to optimize financial data retrieval, reducing query execution time by 35%

## RESEARCH EXPERIENCE

UNC-Chapel Hill – Department of Computer Science (Cybersecurity Lab)

Graduate Research Assistant

January 2025 – Present

- Investigate the impact of adversarial attacks on neural networks, proposing a defensive training approach that improved model robustness by 18%
- Conduct data preprocessing and feature engineering on large-scale cybersecurity datasets using Spark and Pandas
- Presented findings at the IEEE Workshop on Machine Learning for Security

## TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, JavaScript

Frameworks/Libraries: React, Node.js, TensorFlow, Pandas

Tools: Docker, Kubernetes, Git, AWS, PostgreSQL

Methodologies: Agile, Test-Driven Development, CI/CD