Tia Hannah

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Education

Boston University	Boston, Massachusetts
B.S. in Data Science	Sept 2021 - May 2025

Coursework: Data Mechanics, Programming for Data Science, Statistics, Multivariable Calculus, Linear Algebra.

The Loomis Chaffee School	Windsor, Connecticut
High School	Sept 2017 - May 2021

Technical Skills and Languages

Programming: Python, Rust, CSS, HTML, JavaScript, SQL.

Operating Systems: Windows 10 / 8 / 7 and Linux.

Skills: Functional programming, cloud computing, statistical analysis, machine-learning, git, full-stack development, Flask, Microsoft Azure, MongoDB, Matplotlib, Pandas, NumPy, Scikit-learn.

Project Experience

Waste Prediction Datathon | Python
- Led and managed a 2nd place team of five in a Datathon, accurately predicting the waste generated from catering events from multiple buildings across campus to adhere to state policy.
- Conducted extensive data cleaning, analysis, and restructuring for BU Catering datasets.
- Presented and developed an innovative ensemble model utilizing regression and k-nearest neighbor algorithms to accurately forecast the catering event limits per building.

MAPLE Bill Summarization and Tagging | Python
- Led the development effort as a Backend Developer for the MAPLE Bill Summarization and Tagging project, collaborating with a multidisciplinary team to enhance legislative transparency
- Utilized Python to integrate the Massachusetts Legislature Public API, extracting bill text and leveraging Massachusetts General Law sections to generate accurate category tags for pending legislation.
- Spearheaded the creation of a redlining model, enabling users to visualize changes to existing laws by comparing bill text versions, promoting clarity and comprehension of legislative amendments.

Editor AI | Python
- Collaborated on the development of an AI-driven chatbot aimed at aiding hyper-local news sites, working closely with editors to enhance editorial workflows.
- Contributed to the implementation of grammar and spelling correction functionalities, ensuring editorial content adheres to AP style guidelines and maintains professional standards.
- Worked on suggesting and generating headlines, as well as proposing new content ideas and sources, leveraging Python-based AI solutions to enhance article quality and relevance.

Relevant Experience

BU College of Engineering IT	Boston, Massachusetts
Information and Technology Consultant	Sept 2022 – Present

- Provided technical support and resolved network, hardware and software issues by utilizing diagnostic software and equipment to identify and troubleshoot issues for campus users within the College of Engineering at Boston University.
- Employed troubleshooting techniques to analyze and diagnose computer hardware, software, printing, installation, email, and operating system problems.

Fintech Focus	New York, New York
Fintech Focus Intern (JPMorgan and Chase Cohort)	July 2021 - Aug 2021

- Developed a full-stack web application with a good UI design utilizing Flask, MongoDB, Python, HTML, and CSS.
- Collaborated with a team of interns to ideate, design prototypes, iterate based on feedback, and deliver a Minimum Viable Product (MVP) for presentation to JPMorgan and Chase bank recruiters.