

DAVID OLUKAYODE ODUNEYE

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EDUCATION

- Northeastern University** Boston, MA
 - Bachelor of Science in Computer Science — Concentration in Software — GPA: 3.5* *Expected May 2025*
 - Relevant Courses:** *Algorithms and Data Structures, Object Oriented Design, Discrete Structures, Web Development, Mathematical Reasoning, Fundamentals of Computer Science 1 & 2, Foundations of Cybersecurity.*
 - Activities:** *Honors Program, Northeastern Powerlifting, Northeastern Black Society of Engineers*

SKILLS

- Languages:** Java, Python, Typescript, SQL, C++
- Frameworks/Libraries:** TailwindCSS, React, NextJS, Express, Pandas, NumPy, spaCy, Matplotlib, Keras
- Tools:** MongoDB, Bash, Git, Hashcat, Docker, Postman, LaTeX, Gimp, Figma, IntelliJ

PROJECTS

- SongGPT (2023):** Developed a dynamic web application using **NextJS**, **Tailwind**, and **Typescript**, integrated with the **Spotify API** to generate songs from provided text inputs.
- Jurni (2022):** Implemented **Natural Language Processing** techniques to analyze journal data for a mental health service. Extracted sentiment and subject data using both **BERT** and **SpaCy**, and developed tools for large data scraping, preprocessing, and subject clustering.
- Personal Website (2022):** Designed and developed a personal website using **TailwindCSS** for styling, implemented **Server-Side Rendering** with Markdown Components, and utilized **NextJS** for fast page rendering to showcase personal projects and blog posts.
- Image Manipulator (2022):** Developed a proto-photoshop program built using the **Model-View-Controller** architecture. Implemented **abstraction** of effect classes to optimize creation of editing tools, and developed over 10 pre-built image effects. Built GUI with **Java Swing**.
- Rate My Dorm (2022):** Built a responsive web application using **NextJS** to view and comment on college dorms, allowing students to create accounts and bookmark dorms they like. Populated universities using the **CollegeScorecard API**, and managed dorm and user models with **MongoDB**.

EXPERIENCE

- NLP Data Analyst** San Francisco, CA
 - Genentech* *January 2023 - Present*
 - Fine-tuned a Transformer model utilizing 400+ treatment vehicle outputs, while also developing a Matcher Model in Python to enhance data accuracy and streamline workflows.
 - Collaborated with cross-functional teams to analyze and interpret data, resulting in data-driven insights and recommendations for vehicle usage optimization in the gRED organization.
 - Utilized machine learning techniques to improve pre-clinical testing procedures, leading to increased efficiency and effectiveness of the drug development process.
- Software Engineer** Boston, MA
 - Generate Product Development* *Sep 2022 - Dec 2022*
 - Collaborated with a team of 6 developers to analyze journal entries for a mental health service using emotion and subject extraction models, identifying connections and trigger points.
 - Researched and implemented advanced Natural Language Processing techniques using Python, parsing through data and analyzing model responses to optimize performance and accuracy.
- Foundations of Cybersecurity Teaching Assistant** Boston, MA
 - Khoury College of Computer Science* *Sep 2022 - Dec 2022*
 - Conducted 2+ hours of weekly office hours to provide individualized academic support and tutoring to students, resulting in improved learning outcomes and increased student satisfaction.
 - Assisted faculty in grading and reviewing assignments, ensuring timely and accurate feedback for students.
- Resident Assistant** Boston, MA
 - Northeastern University* *Aug 2022 - Dec 2022*
 - Cultivated a sense of community among residents by connecting with and empathizing with them, leading to the creation of programming and ensuring the upkeep of the complex housing over 1000 residents.
 - Responded to resident questions and concerns, managed conflicts and policy violations with productive de-escalation tactics, and ensured the safety of the community

INTERESTS

- Powerlifting, Hiking, Christopher Nolan films, Notion, Cinematography