

DAVID OLUKAYODE ODUNEYE

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EDUCATION

- Northeastern University** Boston, MA
Bachelor of Science in Computer Science — Concentration in Software — GPA: 3.6 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, Javascript (Node), HTML, SASS, MySQL, MongoDB, C++
- Frameworks/Libraries:** TailwindCSS, ReactJS, NextJS, Express, Redux, jQuery
- Tools:** GIT, JtR / Hashcat, LaTeX, Gimp, Figma, IntelliJ

PROJECTS

- Personal Website (2022):** Produced a personal website to share personal projects and blog. Developed using, **TailwindCSS** and **React**. Managed static content using **Server Side Rendering** with Markdown Components and **NextJS**.
- Jurni (2022):** Used **Natural Language Processing** processes to analyze journal data for a mental health service. Extracted sentiment and subject data through use of **BERT** and **SpaCy**. Developed tools for large data scraping, preprocessing and subject clustering.
- SMI (2022):** Designed an **ExpressJS** web app to classify text to music. Used Word2Vec techniques from **SpaCy** to vectorize the over 5000 genres of music Spotify supports. Gathered sentiment from text to pass as parameters to the **SpotifyAPI** to generate music.
- Image Manipulator (2022):** Developed a proto-photoshop program built using **Model-View-Controller** principles. Allows users to import, edit, save and export images. **Abstracted** effect classes to optimize creation of editing tools, and developed over 10 pre-built image effects. GUI built with **Java Swing**.
- Rate My Dorm (2022):** Built a responsive web app using **NextJS** to view and comment on college dorms. Allowed students to create accounts and bookmark dorms that they like. Populated universities using the **CollegeScorecard API** and managed dorm and user models using **MongoDB**.

EXPERIENCE

- NLP Data Analyst** San Francisco, CA
Genentech January 2023 - Present
 - Developed and implemented NLP algorithms for vehicle classification and standardized naming convention in the SADR data pipeline project
 - Collaborated with cross-functional teams to understand, gather and analyze data for vehicle classification
 - Utilized machine learning techniques to improve preclinical testing procedures and provided data-driven insights and recommendations for vehicle usage optimization in gRED organization.
- Software Engineer** Boston, MA
Generate Product Development Sep 2022 - Present
 - Worked with a development team to utilize emotion and subject extraction models to analyze connections and determine trigger points in journal entries for a mental health service.
 - Worked on researching Natural Language Processing procedures and used python to parse through data to analyze responses from the models.
 - Developed a meaningful relationship with a client troubleshooting their issues and goals of the project.
- Foundations of Cybersecurity Teaching Assistant** Boston, MA
Khoury College of Computer Science Sep 2022 - Present
 - Held 2+ hours of office hours per week to meet individual students for one-on-one academic support and tutoring.
 - Provided faculty support in grading, and reviewing assignments.
- Resident Assistant** Boston, MA
Northeastern University Aug 2022 - Current
 - Connected and empathized with residents to build community belonging, create programming, and ensure the upkeep of the complex of over 1000 residents.
 - Responded to resident questions and concerns, managing conflicts and policy violations with productive de-escalation tactics and ensuring the safety of the community.

INTERESTS

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