

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
- **Parkville High School Center of Science & Mathematics** Baltimore, MD
General Education; GPA: 3.86 (Top 1% of class) *Aug 2016 - May 2022*
Honors: Eugene J. Becker Award for Cybersecurity and Cryptology, Merit Scholastic Award

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, 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**.
- **Twitter Clone (2022):** A Twitter Clone built with **React**, **Bootstrap**, and **MongoDB**.

EXPERIENCE

- **Build Studio Software Engineer** Boston, MA
Generate Product Development *Sep 2022 - Current*
 - 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 - Current*
 - 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.
- **Lead Instructor** Ann Arbor, MI
iD Tech Camps *Jun 2022 - Aug 2022*
 - Instructed 50+ students in multiple courses, including Vex Robotics with C++, and Programming in Java.
 - Helped build and program 10+ VEX robots with students.
 - Held one-on-one sessions for students to review more advanced concepts such as polymorphism, data structures, and exception handling.
- **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 buff, Acting