David Oduneye

Available January 2024 – June 2024

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EDUCATION

Northeastern University   Boston, MA
Honors Bachelor of Science in Computer Science GPA: 3.5   *Expected May 2025*

Relevant Coursework   Computer Systems, Networks, Machine Learning 1, Algorithms & Data
Activities   Resident Assistant, Northeastern Powerlifting, NSBE, Generate, ColorStack

TECHNICAL SKILLS

Languages: Typescript, Java, Python, Go, C/C++, R, SQL (MySQL, Postgres)
Tools: Git, Docker, MongoDB, MySQL, Postman, Hashcat, Figma, Gimp, LaTeX, IntelliJ
Frameworks & Libraries: TailwindCSS, Vue, React, React Native, NextJS, Express
Machine Learning: Pandas, NumPy, spaCy, Matplotlib, Sklearn

EXPERIENCE

Generate – *Technical Lead*   July 2023 – Present
- Leading a team of six in developing a comprehensive cross-platform **mobile app** using **React Native** and **Go** that personalizes end-of-life planning.
- Coordinating with the design team to establish enticing, user-centric branding tailored to reflect the project's identity.
- Applying **Agile methodologies** such as **Scrum** standups and sprints, effectively maneuvering through technical complexities, ensuring steady progress, and adherence to project timelines.

Genentech Inc – *Software Engineering Intern, Machine Learning*   January 2023 – June 2023
- Developed a drug data structuring system using **Transformer Models** and a rule-based matching model to normalize and restructure unstructured text, dramatically improving data interoperability within gRED by **20%**.
- Applied **Deep Learning** techniques to ensure consistent and reliable data standards throughout the drug development process, achieving a commendable accuracy rate of **93%**.
- Collaborated closely with cross-functional teams to smoothly integrate the new system into existing vehicle processing workflows, contributing to the improved usability of vehicles in drug development and discovery.

Khoury College of Computer Science – *Teaching Assistant*   September 2022 – December 2022
- Conducted **4+** hours of weekly office hours to provide individualized academic support and tutoring to students, resulting in improved learning outcomes that increased student satisfaction.
- Assisted faculty in grading and reviewing assignments, ensuring timely and accurate feedback for students.

PROJECTS

Mental Health App   2022
- Worked with a team of developers to use **NLP techniques**, such as sentiment analysis and topic modeling using **spaCy** and **scikit-learn**, on journal entries for mental health.
- Boosted accuracy by parsing **50,000+** entries from social media, identifying patterns, and implementing data-driven analysis.
- Created models to extract emotions and subjects, streamlining analysis and enhancing identification mental health triggers.

Personal Website   2022
- Engineered a mobile-responsive personal website using **React** and **TailwindCSS**.
- Utilized server-side rendering (**SSR**) and markdown components (**MDX**) to effectively showcase personal projects and blog posts. Ensured fast and consistent page loads with SSR.
- Incorporated Google Analytics to gain insights into user behavior, promoting continuous improvements.

RateMyDorm   2022
- Developed a secure, responsive full-stack web application with **Next.js**, enabling college students to view, rate, and provide feedback on dormitories.
- Integrated the **Collegescorecard API** to pull relevant college statistics, such as student body size, ownership, and associated costs.
- Set up a polyrepo architecture using **Express.js**, creating APIs that support CRUD operations on **MongoDB** schema objects.