Miles Eng





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425-230-7212

Driven and ambitious college student with a strong foundation in object-oriented programming and a knack for problem-solving. Proficient in a wide array of technologies and frameworks, including Java, JavaScript, ReactJS, and SQL. Passionate about leveraging technology to develop innovative solutions and drive social impact.

EXPERIENCE

OAK STREET HEALTH | IT APPLICATIONS INTERN

May 2023 - Aug 2023 | Remote

- → Implemented security controls, roles, profiles, and permission sets in Salesforce CRM to ensure data security and compliance with HIPAA regulations
- → Reorganized existing business processes, leading to a 55% increase in efficiency in critical user workflows related to the creation and maintenance of company-wide data access policies

DUKE STATISTICS DEPARTMENT | UNDERGRADUATE TEACHING ASSISTANT

Aug 2022 - Current | Durham, NC

- → Assist with teaching introductory data science courses in R with an enrollment of 300+ students
- → Provide feedback on lab assignments, lead lab sections of 25-30 students and hold office hours
- → Communicate effectively with the professor and graduate TAs to continuously evaluate student progress and develop plans for improvement

PROJECTS

ALCOHOL USE BEHAVIORAL PHENOTYPING TEST | REACTJS, TAILWINDCSS, FIREBASE

Aug 2023 - Current | Durham, NC

Project Overview

- → Contribute to the development of a multilingual computer application that uses tasks to assess patients' alcohol use behaviors
- → Create gamified versions of behavioral paradigms rooted in the Research Domain Criteria (RDoC) framework using ReactJS to enhance user experience
- → Integrate front-end of application with back-end using Firebase, ensuring efficient data handling, user privacy, and system performance
- → Employ systematic review techniques on a diverse range of scientific literature on addiction and its correlation with RDoC constructs

SPOTIFY WRAPPED PREVIEW | REACTJS, NODEJS, TAILWINDCSS

Oct 2023

- → Engineered a personalized music web application built from scratch using NodeJS with React and Express, enabling users to authenticate via the Spotify API
- → Integrated Spotify API to securely access and display a snapshot of user's music preferences including favorite songs, genres, and artists, as well as recommended songs based on selected criteria
- → Utilized TailwindCSS to design a responsive user interface with robust search capabilities, enabling users to explore new music by searching for specific artists, tracks, and albums

EDUCATION

DUKE UNIVERSITY

Aug 2021 - May 2025 | Durham, NC B.S. Computer Science + Global Health

GPA: 3.95

Awards: Dean's List with Distinction - Fall 2021, Spring 2022, Fall 2022

Extracurriculars: Partners in Health Engage, Association of

Mixed People @ Duke

COURSEWORK

Design & Analysis of Algorithms Database Systems Computer Architecture Data Structures & Algorithms Regression Analysis Linear Algebra Discrete Math for CS

SKILLS

SOFT SKILLS

reliability, collaboration, problem-solving, adaptability, detail-oriented

PROGRAMMING

Languages: Java, JavaScript, HTML/CSS, SQL, Python, R

Platforms/frameworks: Git, NodeJS, ReactJS, Redux, Docker, Flask