Miles Eng

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EDUCATION

DUKE UNIVERSITY | B.S. COMPUTER SCIENCE, A.B.2 GLOBAL HEALTH

Aug 2021 – May 2025 | Durham, NC

- → **Cumulative GPA**: 3.95/4.0
- → **Awards**: Dean's List with Distinction - Fall 2021, Spring 2022, Fall 2022
- → **Extracurriculars**: Partners in Health Engage, Association of Mixed People @ Duke

EXPERIENCE

DUKE UNIVERSITY | BASS CONNECTIONS FELLOW

Aug 2023 - Current | Durham, NC

- → Alcohol Use Behavioral Phenotyping Test for Global Populations
- → Contribute to the development and trans-cultural adaptation of a multilingual computer application that uses tasks to assess patients' alcohol use behaviors
- → Develop tasks in the Unity framework to create gamified versions of RDoC-based behavioral paradigms
- → Contribute to the integration of log-in and data management system at the back-end with Firebase to ensure efficient data handling

OAK STREET HEALTH | SALESFORCE IT ANALYST 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
- → Applied Agile framework to redesign 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

CACHE AND MEMORY SYSTEM | C

Dec '22

- → Designed and implemented a fully functional cache and memory system from scratch in C
- → Integrated cache replacement policies (LRU and FIFO) for optimized data retrieval and storage efficiency
- → Gained practical experience in low-level programming principles and memory management through hands-on implementation

COURSEWORK

Design & Analysis of Algorithms • Database Systems • Computer Architecture • Data Structures & Algorithms • Discrete Math for CS • Global Health Ethics

SKILLS

SOFT SKILLS

communication • collaboration • problem-solving • quick learner • detail-oriented

PROGRAMMING

Java	●●●●●
HTML/CSS	●●●●●
JavaScript	●●●●○
Python	●●●●○
C	●●●○○
R	●●●○○
SQL	●●●○○

LIBRARIES/FRAMEWORKS

React.js	●●●●○
Tailwind CSS	●●●●○
Node.js	●●●○○
MongoDB	●●○○○

TOOLS/PLATFORMS

Git • Docker • Linux • Salesforce • LATEX