

Abdi Wakene

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EDUCATION

Tufts University | Bachelor of Science in Community Health, Biomedical Sciences | Minor in Computer Science May 2022

- GPA: 3.7/4.0, Dean's List
- Relevant Courses: Algorithms, Data Structures, Web Development, Molecular Biotechnology, Epidemiology
- *Team Member*, Tufts JumboCode; *Social Outreach Coordinator*, Tufts Minority Association of Pre-Health Students

PROJECTS

Project #1 | SixDegrees (Interactive game web application) December 2021

- Developed a web application that finds and displays the shortest link between two given artists via collaborations on songs, inspired by Six Degrees of Kevin Bacon.
- Created utilizing JavaScript, MongoDB, HTML and CSS

Project #2 | Stock Watch (HTML, NodeJS and MongoDB) October 2021

- Developed a web application that tracks and stores real-time stock data of the top 500 companies in the United States
- Created utilizing JavaScript, NodeJS, MongoDB and HTML

Project #3 | MetroSim (Train line simulation) September 2020

- Designed and developed an object-oriented approach to emulate stations and passengers on a metro line.
- Created utilizing C++

EXPERIENCE

Data Scientist July 2022 – Present

University of Texas Southwestern Medical Center | Dallas, TX, USA

- Utilizing web scraping techniques to extract data and organize health related data to retrieve aggregated results.
- Increased efficiency of query lookup by 7% through analysis of search algorithms within healthcare database

Software Engineering Intern September – December 2021

Tufts University FIRST Center | Medford, MA, USA

- Developed the first full-stack book lending web app, hosted on Heroku, utilized by 2000+ first-generation students at Tufts.
- Designed an effective database model on MongoDB to retrieve book request results for 1000+ books.
 - Tech Stack: MongoDB, NodeJS, HTML, CSS, Git, Linux

Data Analytics Research Intern January 2021 – January 2022

Takemi Program in International Health (Harvard T.H. Chan School of Public Health) | Cambridge, MA, USA

- Conducting research with current fellows to investigate currently established resource allocation and developing more rational and equitable strategies.

Data Analytics Student Researcher May 2020 – December 2020

HaSET Maternal and Child Health Research Program (Harvard T.H. Chan School of Public Health) | Cambridge, MA, USA

- Establishing Formative Assessment forms for annual review of survey questions built towards maternal mothers in Ethiopia.
- Coding data consistency analysis programs, utilizing STATA, to review collected survey data related to maternal feedback.

SKILLS

C++ | Python | HTML | JavaScript | CSS | STATA | SPSS | SQL