Alfred Mathew

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EDUCATION

UNC - CHAPEL HILL
COMPUTER SCIENCE (B.S.),
STATISTICS AND ANALYTICS (B.S.)
Software Engineering/Data Science
Expected 2022 | GPA: 3.8/4.0

LINKS

Github:// **alfmat**
LinkedIn:// **alfmat**

COURSEWORK

COMPLETED
Foundation of Programming
Introduction to Statistical Models
Introduction to Economics
Multivariable Calculus
Mechanics and Relativity

IN PROGRESS
Data Structures
Computer Organization
Introduction to Probability
Introduction to Systems Programming
Discrete Math

SKILLS

PROGRAMMING
Python • TypeScript • Java
C++ • SQL • HTML5
CSS3 • JavaScript

OTHER TECHNOLOGIES
TensorFlow • sklearn
Bootstrap • JQuery

SOFT SKILLS

Teaching • Public-Speaking
Team Work • Problem solving

STATEMENT

Motivated Computer Science Student who strives to make a difference in his every undertaking. I am seeking a internship in a company as dedicated and passionate as I am in Computer Science. My work as a TA and leader of several clubs throughout high school and college has lead me to gain strong interpersonal as well as technical skills.

EXPERIENCE

DEPT OF COMPUTER SCIENCE | TEACHING ASSISTANT
Jan 2019 - Present | Chapel Hill, NC

TAUGHT COMP 110 | INTRODUCTION TO PROGRAMMING FOR MORE THAN 1000 STUDENTS
Worked on a team of more than 70 Teaching Assistants to organize and plan UNC's introductory programming class. Held office hours for students and have taught more than 600 students the TypeScript programming language. Helped organize and plan a hackathon for all students in the course. Led a workshop planning team at this event.

CAROLINA FOR THE KIDS | WEBSITE DEVELOPMENT CHAIR
Apr 2019 - Present | Chapel Hill, NC

REDESIGNED WEBSITE FOR NON-PROFIT
Coordinated a team of three Computer Science students who were responisble for redesigning the website of Carolina For the Kids - a non-profit that has donated over $5.1 million to UNC children's hospital.

PROJECTS

HEART DATA ANALYSIS | ML, DATA VISUALIZATION
Created model to predict the chance of heart disease because of Intracranial stenosis (the narrowing of blood vessels due to cholesterol buildup). Used technologies such as sklearn to create the model.

TRAVEL REVIEW ANALYSIS | ML, DATA VISUALIZATION
Using data from 23 tourist attractions in Europe, developed a model that predicts which attractions a user is most likely to find useful and time-worthy.

EMAIL SENDER | PYTHON PROGRAMMING
Created an automated email sending application for a local church. The data fed into the application is a list of all the parishioners and their email-ids. The application then sends out an e-card on the anniversary of a parishioners baptism.

ACHIEVEMENTS AND ACTIVITIES

Teaching Assistant
Hackathon Planning
Dean's List
Organizing Fundraiser Events
Volunteering at UNC Children's Hospital