Amer Din

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SKILLS

- C++, Python, Java, JavaScript, Flask, Pandas, Matplotlib, Git, Docker, SQL, ReactJS

EDUCATION

The University of Texas at Dallas **Richardson, TX**
Bachelor of Science: Software Engineering **August 2019-Present**

- *GPA*: **3.420 -** *Expected Graduation Date:* June 2022
- Academic Excellence Scholar

EXPERIENCE

Technology Officer – Surge Mentorship Program **Richardson, TX**
UT Dallas Blockchain Club **November 2019-Present**

- Implemented a calendar system that showcases a current timeline using ReactJS and Netlify, deployed using Docker
- Developed *Risk SCM*: a native prototype application for supply chain operations utilizing Metamask and ReactJS

Software Developer – ACM Projects **Richardson, TX**
UT Dallas American Computer Machinery Club **September 2019-Present**

- Deployed a cross-platform application that uses predictive modeling to recommend users outfit ideas based on items in their digital closet, current fashion trends and the local weather
- Adopted a minimal UI using React Native, fulfilled client queries using GraphQL and deployed using AWS S3

Sales Advisor **Plano, TX**
Warby Parker **May 2019-June 2020**

- Consulted customers on their prescription and offered personalized recommendations for glasses and optical accessories
- Utilized a pupilometer device to measure the distance between pupils on customers
- Achieved a conversion ratio of 10% daily

RESEARCH EXPERIENCE

Undergraduate Researcher **Richardson, TX**
UT Dallas JSOM **June 2020-Present**

- Developing an optimal portfolio of stocks and bonds in the sector of informational technology
- Constructing a real-time predictive model based on credit risk and quarterly price changes using Tensorflow

PROJECTS

Monte Carlo Simulation **June 2020-July 2020**

- Leveraged a statistical model using the Monte Carlo Simulation and Geometric Brownian Motion Model
- Allowed users to see a potential trajectory and 1 year forecast of a stock
- Integrated market data using the Yahoo Finance API, built native UI using Flask, deployed model using Heroku

Through The Staff **April 2020-June 2020**

- Constructed a native sign-up application for conservatory students to connect and instruct young musicians virtually
- Mediated a total traffic of over 1200 visits with session durations over 2 minutes
- Utilized CSS Bootstrap for UI, migrated sign-up forms with Google Forms, used Gh-pages for deployment

AWARDS

- **ACM Projects 2019** ***2nd Place***: Closet-hangr
- **AngelHack 2018 Fitbit API Challenge** ***1st Place***: Pollen Tracker
- **Amazon Alexa API Challenge SXSW 2018** ***1st Place***: Practice Hero
- **SXSW Hackathon 2018 Overall** ***2nd Place***: Practice Hero