

Dallas Tealer

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EXPERIENCE

ERNST & YOUNG

San Francisco, CA

06/2021 – 08/2021

Tax Transformation and Technology Intern

- Revamped IRS E-File functionality of in-house **Excel** add-ins using **C#** libraries
- Created **Python** scripts to manage duplicate entries in Excel workbooks, reducing required staff by **66%**
- Aided in the development of streamlined **PowerBI** dashboards for \$7.5 billion client

UNIVERSITY OF FLORIDA ATHLETIC ASSOCIATION

Gainesville, FL

08/2019 – 04/2022

Content Tutor

- Responsible for tutoring student athletes in **mathematics** and **statistics**
- Improved average mathematics grade of over **25** student athletes.

HOLLOWAY WEALTH MANAGMENT

Gainesville, FL

07/2020 – 09/2020

Intern

- Provided notes on market calls given by JP Morgan and other investment firms to the founders.
- Attended weekly private meetings with the founders to discuss investment strategies and client goals.

EDUCATION

UNIVERSITY OF FLORIDA

B.S. Computer Science

2019 – 2023

Florida Bright Futures Scholarship Recipient
Fall 2020 Dean's List

Relevant Coursework: Information and Database Systems 2, Deep Learning, Engineering Statistics, Applied Linear Algebra, Data Structures and Algorithms, Financial Accounting

PROJECTS

Readr

Software Used: MongoDB, Express, React, Node, AWS

- Created a platform to connect students with learning disabilities to readers who provide recorded readings of course materials to provide a more frictionless learning environment
- Received acceptance into the **Longhorn Startup Lab** at the **University of Texas**, which provided a cash stipend along with **AWS** and **Google Cloud credits**
- **Self-taught** in all technologies used

COVID-19 Vaccine Distribution

Software Used: Python

- Utilized **hierarchical clustering** to group counties based on COVID-19 indicators (census data, hospital bed availability, ventilator availability)
- Implemented modified **OpenAI Gym** environment and **Deep Q-Learning** algorithm to determine vaccine allocations
- Utilizing **SEIR forecasting** on 3 selected counties, the vaccine distribution policy produced by the model was projected to decrease the susceptible population by 17 people over a 10-day period

SKILLS

Languages:

- Python (Pandas, Numpy, TensorFlow, ScikitLearn), Java, C++, React

Mathematics:

- Calculus, Differential Equations, Linear Algebra, Stochastic Methods, Statistics