Eric X. Yang

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EDUCATION

New York University, New York, **3.8 GPA** Graduation: May 2022

> B.A. in Economics and Computer Science
> Presidential Honors Scholars - Selected as one of the **top 10%** of incoming NYU Freshman
> Economics Coursework - Microeconomics, Macroeconomics, Money and Banking, Econometrics, Statistics
> Computer Science Coursework - Data Structures, Computer Science Theory, Computer Organization, Algorithms, Operating Systems

EXPERIENCE

Title KING in Miami, Florida **Business Analyst Internship** May to August, 2020

> Mined tweet data using a combination of Twitter Dev API and Python web scraping
> Built models to analyze the impact of the Covid-19 Pandemic on changing consumer preferences using Python, Twitter API, and Pandas
> Presented findings to marketing team who used the information to improve advertising clickthrough ratings by 21%

Asia America Realty in West Bloomfield, Michigan **Internship** June to August, 2019

> Upgraded from manual data uploads to automatic ones by creating a Python web scraper to directly gather real estate information
> Managed client's SQL database by removing invalid, or old data, and adding in new information
> Organized license realtor open house and custom service events

TECHNICAL PROJECTS

Generating Fake Chinese Characters

> Created Python Web Scraper to gather Chinese Characters in Unicode Format
> Transformed Unicode Chinese Characters into png files using ImageMagick api
> Set up two opposing Neural Networks to train against each other, with one producing fake characters while the other tested if the characters were real

Finding the Closest Of Multiple Values

> Created an adjacency list graph data structure, with three types of points, A, B, and neutral, where A and B are meant to represent 2 pairs of locations (ex: A is Warehouses, B is Neighborhoods, and neutrals are roads in between)
> Modified Dijkstra's Algorithm to find the closest pairs for all points of A and B using Java (ex: finding the closest warehouse for each neighborhood allows for the cheapest point to send goods from)

Evaluating Player Performance and Salary

> Created Python Web Scraper to produce a csv containing Player Performance (measured by Fifa overall rating) and Salary
> Used R Studio to clean data, eliminating edge cases and fixing formatting
> Generated a regression model to evaluate the relationship between Player Performance and Salary by using R Studio

Quizlet Flashcards Maker

> Java Web Scraper found keyword, definition pairs, and important equations from online textbook
> Stored values in AVL Array Trees based on Chapter
> Output a tsv formatted flashcards to use on Quizlet's Flashcard inputs

SKILLS

Languages: English (Native), Chinese (Proficient)

Computer Skills: C, C++, Java, Python, R, Excel, Word, Powerpoint