Devin Li

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EDUCATION

CUNY Hunter College | Bachelor of Arts in Computer Science | GPA: 3.68/4.0 [Expected May 2023]
Relevant courses: Data Structures & Algorithms, Computer Architecture, Data Science

WORK EXPERIENCE

The Golden House - Full Stack Engineer (genshin.tghofficial.com/dps/world-boss) [February '22 - Present]
- Engineered a website and server as a team of two to host a leaderboard displaying the achievements of 600+ users
- Designed scalable MongoDB schemas to accurately store user entries and character records
- Created APIs in TypeScript using efficient Mongoose queries for data retrieval and automated user entry submissions
- Built a data migration script using Python to migrate 700+ entries from tablepress spreadsheets into MongoDB
- Used ReactJS and CSS to create a user-friendly approval table for our moderation team to approve/modify entries effectively
- Implemented filters for leaderboard entries to improve user experience and information searching
- Actively exploring Node.js libraries and adding monthly features to continuously improve the website
- Maintained clean workflow using Git and practiced rebasing branches and code reviews

NYU Federal Credit Union - Front End Engineer Intern [July '22 - August '22]
- Rebuilding a user-friendly interface website for NYU FCU members using ReactJS and CSS
- Held daily meetings with client to discuss for user needs and website features
- Built reusable components and improved previous features including app responsiveness and accessibility

Popeyes Louisiana Kitchen - Crew Member [October 2019 - August 2021]
- Served over 300 customers per weekend, accurately completed orders while spending on average 2 minutes per customer order

PERSONAL PROJECTS

Katsudon Leetcode Leaderboard (WIP) - Server | Discord Bot [August 2022 - Present]
- Engineering a social platform for users to compare LeetCode solutions with friends
- Built a backend server and implemented APIs to post LeetCode solutions to database MongoDB
- Built a chrome extension using basic webscraping to retrieve solutions from leetcode.com and post to database using built APIs
- Designing the user interface using Figma and soon to be built with ReactJS

Katsudon Discord Bot - Server | Discord Bot [July 2022 - Present]
- Engineered a Discord Bot that records messages in a discord channel and stores them to a PostgreSQL Database
- Implemented efficient APIs using Typescript and designed databases schema to store messages utilizing table joins
- Implementing machine learning algorithms to guess message senders based on multiple variables

Genshin Impact Damage Calculator - Website [August 2021 - October 2022]
- Built an alternative damage calculator using HTML and JavaScript that calculates users' damage with less needed information
- Allowed a small community to accurately predict their character's damage consistently within 99.5% accuracy
- Helped over 600 players decide on the value of an unreleased character using survey data and basic algebra
- Rebuilding the calculator leading a team of two aiming to achieve a better user experience

Wordle Filter - Python Script [March 2022]
- Built a command line tool to solve the popular Wordle Game using pandas dataframes and user input
- Implemented basic regular expressions and dataframe manipulation to filter possible words
- Solved 100% of word puzzles, 80% of puzzles using this script was solved under 5 guesses

Character Theoretical Max - C++ Script [May 2021]
- Used C++ STL Libraries to compute the highest possible damage for a character
- Implemented an algorithm that computes all permutations an in-game item could be optimized
- Determined value was used as community standard for character damage submissions

COURSEWORK

COVID-19's Effect on Highschool - Intro to Data Science Project (Website) [May 2022 - June 2022]
- Performed data cleaning on open source data (COVID-19 cases and high school data) using Pandas Dataframe (Python)
- Generated charts and graphs with cleaned data using Seaborn and Plotly
- Built a supervised model that extrapolates the expected covid case count for future months
- Displayed interactive graphs/plots using basic React Hooks to help visualize annual statistic change

Technical Skills

- C++, Typescript, Javascript, Python, React, Postman, Git/Github

Spoken Languages

English, Chinese Mandarin, Japanese