Jack Siu

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Education

| Piscataway, NJ | Rutgers University | Sept 2016 - May 2020 |

- **Major: Computer Science**
- **Relevant Coursework:** Data Structure, Discrete Structure, Computer Architecture, System Programming, Designs and Analysis of Algorithms, Numerical Analysis, Artificial Intelligence

Employment

Jade Harbor Web Manager/Developer   July 2018 - Feb 2020
- Maintained and created website application for local Chinese seafood restaurant
- Improved the restaurant's online traffic, and customer service, customer service satisfaction went up over 12%
- Regained control of their online presence with Google My Business
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Rutgers Student Consultant   Sept 2017 - April 2018
- Provided University community with phone and in-person support
- Minor Desktop/Printer troubleshooting
- Diagnosing and reporting network issues

Projects

Personal Website: www.jacksiu.net (For additional information and projects).

Restaurant Roulette
- Provides a random restaurant for the user based on input
- Uses a restaurant themed API to provide data, such as name, price, location
- Created using React, to provide a smooth transaction with the render

AI Puzzle Solver
- Tests various algorithms to solve a random puzzle board with variable dimensions
- Algorithms include BFS, Hill Climbing, Shortest Path, A*, Genetic
- Through multiple runs of Hill Climbing and Genetic Approach, the board can be improved by 10% to 500% in terms of time efficiency

Guppy Fish
- Mobile application that was inspired by the pop culture game, Flappy Bird
- Revisioned the game with smoother control, changed the gravity multiplier and recovery rate
- Currently published on the Google Play Store

Skills

Software/Languages: *(proficient)* HTML/CSS, JS, Java *(familiar)* C, Python, Bootstrap, Jquery, React, Node
Environments: VS Code, Atom, Eclipse, Matlab, Linux, Git, Adobe XD
Currently Improving: Redux, Database(MongoDB, SQL), SASS