

# Jack Siu

Philadelphia | 215-391-0663 | jackklop123@gmail.com | github.com/jackklop | jacksiu.net

## Education

---

<b>Piscataway, NJ</b>	<b>Rutgers University</b>	<b>September 2016 - May 2020</b>
<ul style="list-style-type: none"><li>• <b>Major:</b> Computer Science</li><li>• <b>Relevant Coursework:</b> Data Structure, Discrete Structure, Computer Architecture, System Programming, Designs and Analysis of Algorithms, Numerical Analysis, Artificial Intelligence</li></ul>		

## Employment

---

<b>Web Manager/Developer(Part time)</b>	<b>Jade Harbor(Restaurant)</b>	<b>July 2018 - February 2020</b>
<ul style="list-style-type: none"><li>- Maintained and created a website application for a local Chinese seafood restaurant.</li><li>- Improved the restaurant's online traffic, and customer service, customer service satisfaction went up over 12%, statistics based on Google Analytics.</li><li>- Regained control of their online presence with Google My Business.</li></ul>		

## Software 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.
- Integrated Promises, async/await to provide smooth UX visuals.
- Utilized: HTML/CSS, JavaScript, React, Axios, Node(npm packages), Zomato API

### AI Puzzle Solver

- Tests various algorithms to solve a random puzzle board with variable dimensions and live demo.
- 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.
- Utilized: HTML/CSS, JavaScript, p5.js

### 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.
- Utilized: C programming, Android Development, Unity

### Meme Generator

- You can create various memes with this web application.
- It gives users a selection of templates and text then it auto fills the location for the text.
- Utilized: HTML/CSS, Javascript, React, Python, Imgflip API

## Skills

---

**Software:** (*Proficient*) HTML/CSS, JavaScript (*Prior Experience*) C, Python, Java, Bootstrap, JQuery, React, Node, MongoDB, SQL, VS Code, Atom, Eclipse, Matlab, Linux, Git(version control), Adobe XD

**Strengths:** Adaptive Learner, strong problem-solver, communicator, teamplayer and astute observer.