Maggie **Chen**

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PROJECTS

SNAPSHOT (Ruby, Rails, JavaScript React, PostgreSQL) | Live Site • Github

A photo-sharing social networking application inspired by Instagram

- Leveraged customized ActiveRecord queries to reduce SQL queries to the server
- Designed search feature that pulls filtered data from the Rails backend, allowing users to quickly search other users in the application
- Employed Amazon Web Services S3 (AWS) for storing uploaded images, allowing for improved performance and fast uploading times
- Utilized CSS3 and React-Modal to provide strong user interface and experience

JUST RUN (JavaScript) | Live Site • Github

A fun running game inspired by Google's T-Rex Run!

- Utilized HTML Canvas and CSS3 to create a visually appealing and interactive game
- Designed player jumping algorithm based on projectile motion in physics
- Incorporated sound effects to provide enjoyable user experience

SKILLS

JavaScript, React.js, Redux, HTML5, CSS3, Git, Ruby, Ruby on Rails, RSpec, jQuery, SQL , Node.js, Express, MongoDB

EDUCATION

APP ACADEMY (Winter 2018)
Immersive software development course with focus on full stack web development

CARNEGIE MELLON UNIVERSITY
M. Eng. - Chemical Engineering GPA: 3.97 (Winter 2016)
BS - Chemical Engineering GPA: 3.97 (Spring 2016)
Courses: Principles of Computing (Python)

ACHIEVEMENTS

NYC Maritime Hackathon 2019 - Team won 2nd Place

WORK EXPERIENCE

TRINITY CONSULTANTS | 2017 - 2018

Associate Consultant

- Worked in teams of at least 3 to provide applications that go through a thorough QA/QC process
- Managed at least 8 clients per week, analyzing data to determine the values needed to be reported in applications
- Created timelines for each project in order deliver projects in a timely manner

NIAGARA BOTTLING | 2016

Research and Development Intern

- Designed blow molder heat oven setup for determining thermal properties of preforms and efficiencies of heaters
- Created parts to be 3D printed for blow molder heat oven setup using SolidWorks
- Investigated thermal properties of preforms and heating efficiencies of heaters