SEAN CHOWDHURY

3217 70th St., East Elmhurst, NY 11370
seanchowdhury@gmail.com | (646)-719-0205
Linkedin | GitHub | Website

PROFESSIONAL EXPERIENCE

App Academy JumpStart
Aug 2017 - Present
Teaching Assistant / Software Engineer
- Teach Ruby syntax and best programming practices to prospective software engineers.
- Evaluate and improve students' coding ability, and professionalism.

SKILLS

Coding: Ruby on Rails, RSpec, JavaScript, jQuery, React + Redux, Postgres, SQL, Git, HTML, CSS
Data and Image Analysis: MatLab, Excel, ArcGIS, ENVI

PROJECTS

Kunkka - live link - repo - Ruby on Rails, React/Redux, Postgres, Google Maps API, HTML5, CSS3
Nautical mapping single-page web app inspired by Strava
- Leveraged Google Maps API to allow users to generate courses and content.
- Designed an algorithm involving XHR requests and Canvas to detect water on Google Static Map.
- Utilized terrain checker to build a custom algorithm that draws nodes around a user's course to map the path of a river and calculate it's heading.

Hawk and the Minnow - live link - repo - JavaScript, Canvas, HTML5, CSS3
A JavaScript platformer with a lot of heart
- Built collision detection in JavaScript/Canvas checking the user's position relative to platforms.
- Implemented custom JavaScript class states for player falling, movement through platforms and platform ejection.

Command Line Chess - repo - Ruby
Chess built from scratch for the Ruby Command Line
- Created class modules to destructure piece logic into manageable sections.
- Added conditional logic for advanced moves such as en passant and castling.

EDUCATION

App Academy
May 2017 - Jul 2017
- 1000-hour full stack web development program with <3% acceptance rate

City College of New York
Jan 2013 - Dec 2016
- Bachelor of Arts, Earth and Atmospheric Sciences