

SEAN CHOWDHURY

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[LinkedIn](#) | [GitHub](#) | [Website](#)

PROJECTS

Kunkka - [live link](#) - [repo](#) - Ruby on Rails, React/Redux, SASS, Postgres, Google Maps API

Nautical mapping single-page web app inspired by Strava

- Built a Ruby on Rails backend giving user's CRUD functionality with their course data.
- Designed an algorithm in JavaScript sending XML requests to Google's Static Maps API to detect terrain.
- Utilized my terrain checker to build a custom algorithm that draws nodes around a user's course to calculate the river's heading.

Hawk and the Minnow - [live link](#) - [repo](#) - JavaScript, Canvas, HTML, CSS

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 falling, phasing through platforms and being ejected out of them.

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.

SKILLS

Coding: Ruby on Rails, RSpec, JavaScript, jQuery, React + Redux, SQL, Git, HTML, CSS

Data and Image Analysis: MatLab, Excel, ArcGIS, ENVI

Editing: Photoshop, After Effects

EDUCATION

App Academy

Spring 2017

- 1000-hour full stack web development program with <3% acceptance rate

City College of New York

2013-2016

- Bachelor of Arts, Earth and Atmospheric Sciences

PROFESSIONAL EXPERIENCE

District Office of Congressman Joe Crowley

2016-2017

Congressional Intern.

- Supported Staff with constituent cases by calling constituents and keep database organized.
- Corresponded with government departments and offices to help organize events and schedules.