

SEAN CHOWDHURY

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PROFESSIONAL EXPERIENCE

App Academy JumpStart

Aug 2017 - Present

Teaching Assistant / Software Engineer

- Teach Ruby syntax and best programming practices to prospective software engineers.
- Build/update internal tools with Ajax calls to Postgres database and building relational tables as needed

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