Kevin Coppa

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Projects

Steambnb *(Ruby on Rails, React/Redux, PostgreSQL)*   **Live** | **Github**
A single page web application inspired by AirBnB for searching and booking spas
- Employs Google Maps API for geolocation-based searching and display of spas
- Implements dynamic search using a filters slice of state
- Utilizes ActiveRecord associations to optimize the amount of database queries

UniDot *(JavaScript, HTML5)*   **Live** | **Github**
Javascript browser game based on the mobile app game Dots
- Takes advantage of DOM events to update score and move count after a move
- Implements Object Oriented Programming and HTML5 Canvas to make grid

Classify *(Ruby)*   **Github**
Ruby ORM inspired by Rails ActiveRecord
- Abstracts away database queries to Ruby class methods
- Wrote Searchable module to extend the SQLObject class for advanced queries

Skills

Ruby Python Ruby on Rails RSpec JavaScript jQuery React

SQL Redux Git HTML5 CSS3 TDD AWS R

Experience

NYU Department of Biology, Ghedin Lab: New York, NY   **2015 - 2017**
Research Intern
- Wrote Python scripts to reduce runtime of RNA-seq analysis by almost 75%
- Conducted both computational and wet-lab research on the host-response to Influenza virus
- Collaborated with co-workers to design and test new protocols for more efficient RNA and DNA extractions

Education

App Academy: New York, NY   **2017**
Graduate
- 1000-hour full-stack web development course with a <3% acceptance rate

New York University: New York, NY   **2017**
Bachelor of Science in Biology
- NYU Men's Fencing Team
- NYU Study Abroad - London, UK   Spring 2015
- Relevant Coursework:
    - Bioinformatics in Medicine and Biology
    - Web Design and Computer Principles
    - Intro to Computer Science Honors

Pratt Institute: New York, NY   **2012**
Portfolio Development and Design Course
- Studied the principles of composition, color theory, and art design