

47-08 30th Ave, Apt. 2R
Astoria, NY 11103
1-717-379-8382

Daniel Rigberg

daniel.rigberg@gmail.com
www.danielrigberg.com
<https://github.com/drigrberg>

Experience

Independent Study at the Recurse Center — Nov 2016 to present

- **Full-time self-guided study** — honed fundamental skills in Javascript, Node, design patterns, Python, algorithms, web sockets, P5.js, D3.js, and AWS
- **Pair programming** — paired with other Recursers on a variety of projects in JS and Python
- **Projects:** horoscope-generator, constellation generator, personal website, liars dice game, and particle animations

Back-End Developer and Data Integrity Specialist at Nestio — Aug 2015 to Sep 2016 — Python/Django

- **Redesigned and automated data-related tasks** — wrote Python scripts and CRON jobs to verify stale data & diagnose and correct data corrupted by errors in legacy codebase
- **Test-driven development** — wrote comprehensive tests for original scripts and revised existing tests
- **Built parsers for new feeds** — wrote and tested parsers for inbound custom XML feeds
- **Wrote scripts for operations team** — built a robust codebase of report-pulling scripts so that the operations team could analyze data on short notice
- **Wrote scrapers for sales-ops team** — pulled data from real estate listings sites and company Gmail accounts
- **Maintained relationships with partner brokers** — acted as point-man for all clients with data-related concerns
- **Acted as resident Excel expert** — advised CFO and managers on efficient use of Excel

Projects

Horoscope and constellation generators — www.horoscopegen.com — Fall 2016

- App in Node.JS & Express, with JQuery; helper scripts in Python; MongoDB; background with P5.js
- Generates grammatically sound paragraphs based on original JSON grammar files containing vocabulary, contextual tags, and sentence bigram probabilities; displays all entries in leaderboard
- Interactive background displays constellations that are procedurally generated upon page load and button click

Terminal Battleship — https://github.com/drigrberg/terminal_battleship — Fall 2016

- Player vs computer battleship game in Python, played in command-line

Automated email reminder system for data entry team — Nestio — Summer 2016

- Replacement for paid Chrome extension previously used to send data for manual parsing to data entry team
- Periodically queries Django model to find send time, subject, and body
- Creates new data entry job and forwards email to data entry team
- Accompanied by helper script for bulk creation of scheduled emails, from .csv upload

Skills

Programming: Node.JS, Javascript, Python/Django, Mocha, HTML/CSS, Git, P5.js, D3.js, 3D Printing and Design

Other related: Statistics, Calculus

Languages: Fluent in English, Conversational in Spanish

Education

Yale University, New Haven, CT

- **Bachelor of Arts, Intensive Music Major** — concentration in composition — May 2015
- **Abraham Beekman Cox Prize winner** — awarded to the most promising and gifted composer of the junior class of Yale College — Spring 2015