

YELENA “LAY-NA” NIZNIK

Structural Engineer turned Web Developer

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PROJECTS

SECRET-SAUCE.HEROKUAPP.COM

- Interfaced with CEO of *Spoon University* to create internal e-learning program that tracks the progress of hundreds of monthly members.
- Mar 2014 Rebuilt and improved an existing WordPress site to allow for a custom PostgreSQL database with a Rails backend.
- Implemented client-side functionality using Backbone and D3 animations.

VITRIOL.HEROKUAPP.COM

- Led a team in building a Rails app with a PostgreSQL database for harboring online debates.
- Feb 2014 Improved user experience on the JavaScript front end using AJAX calls to eliminate page refreshes when contributing or voting on comments.

LIKES-ME.HEROKUAPP.COM

- Designed and built a Rails Facebook app using the Facebook API to pull a user's recent photos and display the most fetching ones.
- Jan 2014 Conceived of *LikesMe* to help users solve the problem of not knowing which photos to post on a dating profile or personal bio page.

EXPERIENCE

GACE CONSULTING ENGINEERS

Structural Engineer | New York City

- Spearheaded technological initiatives to improve efficiency at top tier NY structural engineering firm focused on large-scale hotel, commercial, and residential projects.
- Feb 2012 - Nov 2013 Digitized firm's construction inspection protocol. Transitioned from reviewing hard-copy documents in field to using fully integrated iPads for document review and report generation. Trained 5-person team.
- Mastered design of concrete and steel building elements using state of the art software and programming technologies.
- Led inspections of concrete high-rises, ensuring that structures were built per design drawings and that standard practices were adhered to.

RSD ENGINEERING

Structural Engineer | New York City

- May 2010 - Feb 2012 Built digital structural models and performed stability analysis for large-scale construction projects.
- Developed new inter-office protocol for drawing review, digitizing the process and eliminating the need to send and maintain hardcopies.

EDUCATION

GENERAL ASSEMBLY

Web Development Immersive | New York City

- Dec 2013 - Mar 2014 12-week intensive program on full-stack web development.
- Designed and built Ruby on Rails and JavaScript web apps.

THE CITY COLLEGE OF NEW YORK

B.S. Civil Engineering | New York City

- May 2010 Graduated Magna Cum Laude, Chi Epsilon Honor Society

SKILLS

Back-End Web Development
Ruby on Rails, RSpec,
PostgreSQL

Front-End Web Development
HTML, CSS, JavaScript, D3
jQuery, AJAX, Backbone

Presentation
Photoshop, MS Office

Management
Github, Pivotal Tracker

CERTIFICATIONS

ACI Concrete Special
Inspector, FE/EIT Exam

FUN FACTS

- I spent a year climbing around the outside of 50-story buildings, and deep sub-foundations.
- My friends and I run 'Iron Chef'-style cooking competitions for bragging rights.
- I taught myself *Autodesk Inventor* to build a 5 ft tall clam shell sculpture entirely out of tuna cans.
- I modeled a low-cost water disinfection system used to provide clean water to a small village in Honduras.
- I am fluent in Russian.