YELENA "LAY-NA" NIZNIK

Structural Engineer turned Web Developer

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PROJECTS

SECRET-SAUCE.HEROKUAPP.COM

Feb 2014

- An interactive web-based orientation program that trains college students to participate in and lead a *Spoon University* chapter.
- *Spoon University* is a food website and network with chapters on 30+ campuses across the country.
- Rails/PostgreSQL backend and a JavaScript/Backbone client side.

VITRIOL.HEROKUAPP.COM

Feb 2014

- A reddit-like forum for digital debate that fosters community by requiring that participants pick either the For or Against side of an argument, and literally take jabs at the opposing team.

LIKES-ME.HEROKUAPP.COM

Jan 2014

- Likes-Me solves the problem of not knowing which photos to post on a dating profile or personal bio page.
- Uses Facebook's graph API to pull your most recent photos and sort them based on *Likes* to find the most winning ones.

EXPERIENCE

GACE CONSULTING ENGINEERS

Structural Engineer | New York City

Feb 2012 – Nov 2013

- Spearheaded technological initiatives to improve efficiency at top tier NY structural engineering firm focused on large-scale hotel, commercial, and residential projects.
- 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 individually and in groups

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, PostgreSQL

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

Presentation
Photoshop, MS Office

Management
Github

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' 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.