

# YELENA “LAY-NA” NIZNIK

Structural Engineer turned Software Engineer

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## PROJECTS

### ZOUSTER.COM

- Developing features for a large-scale commercial site that allows local vendors to compete for contracting jobs in a live auction.
- Working on an Agile team to provide client with rapid feature development and continuous integration to production.
- Ruby on Rails with PostgreSQL database.

Apr 2014 -  
Jun 2014

### SPOONUNIVERSITYx.COM

- Interfaced with CEO of *Spoon University* to create internal e-learning program that tracks the progress of thousands of monthly users.
- Implemented back-end with Rails and PostgreSQL database.
- Implemented client-side with Backbone.js and D3 animations.

Mar 2014

### LIKES-ME.HEROKUAPP.COM

- Designed and built a Rails Facebook app using Facebook API to extract a user's recent photos and display the most fetching ones.

Jan 2014

## EXPERIENCE

### STACK BUILDERS

Junior Software Engineer | New York City | Quito, Ecuador

- Working on an Agile teams on client projects and internal software at a rising international software consultancy.
- Rails primary focus with experience in Haskell.

Apr 2014 -  
Jun 2014

### GACE CONSULTING ENGINEERS

Structural Engineer | New York City

- Spearheaded technological initiatives to improve efficiency at top-tier NY structural engineering firm. Transitioned from reviewing hard-copy documents in field to fully integrated iPads. Trained 5-person team.
- Mastered design using state of the art software and programming.
- Led inspections of concrete high-rises, ensuring that structures were built per design drawings and that standard practices were adhered to.

Feb 2012 -  
Nov 2013

### RSD ENGINEERING

Structural Engineer | New York City

- 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.

May 2010 -  
Feb 2012

## EDUCATION

### GENERAL ASSEMBLY

Web Development Immersive | New York City

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

Dec 2013 -  
Mar 2014

### THE CITY COLLEGE OF NEW YORK

B.S. Civil Engineering | New York City

- Graduated Magna Cum Laude, Chi Epsilon Honor Society

May 2010

## SKILLS

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

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

Presentation  
Photoshop, MS Office

Management  
GitHub, Pivotal Tracker,  
Continuous Integration

## 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.