

# Jenna Alyssa Zeigen

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## Education

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**Brown University** - Sc.B. in Cognitive Science, with honors (3.89 GPA) Providence, RI • 2008 - 2012

- Relevant course experience includes Creating Modern Web Applications; Introduction to Algorithms and Data Structures; Introduction to Probability and Computing; Computational Cognitive Science; and Cognition, HCI, and Visual Analysis
- Honors Thesis: "What's so funny?: Investigating the time-course of lexical access in the processing of puns"

**Council Rock High School - South** - Valedictorian (4.0 GPA)

Holland, PA • Graduated 2007

## Work and Project Experience

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**Bitly** - Software Engineer

New York, NY • September 2013 - Present

- Contributing to the redesign and unification of Bitly's products to enhance link management and audience insights
- Spearheaded project to start using Browserify so to have a better dependency management system
- Introduced front-end performance monitoring and worked to optimize the application based on the collected data

**#waywire** - Software Engineer

New York, NY • February 2013 - August 2013

- Wrote JavaScript and CoffeeScript to drive the interactivity and functionality of the site
- Redesigned the system for identifying embedded videos and wiring them to the network
- Enhanced controllers and views within the Ruby on Rails application

**Hacker School** - Participant

Brooklyn, NY • October 2012 - December 2012

- Programmed novel, in-depth projects exploring various programming languages, technologies, and techniques
- Created full-stack web applications, NLP and image processing scripts in JavaScript and Python
- Discussed and reviewed projects with and providing feedback to other participants and facilitators

**Sentence and Discourse Processing Lab** - Research Assistant

Providence, RI • June 2011 - August 2012

- Worked with Professor Laura Kertz in Brown University's Department of Cognitive, Linguistic, and Psychological Sciences
- Performed independent human subjects research towards an honors thesis on lexical access and lexical ambiguity
- Conceptualized, designed and executed novel experiments about simultaneous activation of homograph meanings
- Collaborated with Professor Kertz in developing experiments investigating language processing and information structure
- Analyzed and formatted large data sets using MATLAB and Python scripts

## Instructional and Leadership Experience

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**Dept. of Cognitive, Linguistic, and Psych. Sciences** - Course Developer and TA

Providence, RI • June 2011 - May 2012

- Designed a curriculum of tutorials to teach programming skills in MATLAB
- Served as TA for Prof. Thomas Serre's Computational Vision (Fall) and Computational Cognitive Science (Spring) courses
- Wrote and conducted lectures and labs and developed demos, sample code, and documentation
- Conducted bi-weekly office hours to guide students individually through code implementation and program design

**Habonim Dror North America** - Regional Chapter Founder; Coordinator

Boston, MA • June 2007 - May 2012

- Established and coordinated regional informal education program for ages 8-16 (February 2009 - Dec. 2011)
- Planned activities educating about social justice and actualization (February 2009 - May 2012)
- Volunteered teaching English in Israel during gap year program (January - May 2008)

## Awards, Honors, and Speaking Engagements

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**JSConf EU**: "The Linguistic Relativity of Programming Languages"

Berlin, Germany • Sept 13-14 2014

**New Frontiers Undergraduate Teaching and Research Award**

Providence, RI • June - August 2011

- Worked closely with Professor Laura Kertz on independent research leading to honors thesis

## Skills and Interests

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**Programming Languages**: JavaScript (with and without jQuery), CoffeeScript, Python

**Other Technical Skills**: HTML/CSS

**Interests**: Boulderling, making mashups, playing guitar, coffee, puns, networks, patterns, words