

# YOUNG JU (SALLY) PARK

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## SUMMARY

Mathematician and teacher turned full stack engineer, with a passion for realizing elegant solutions. Enthusiastic about the intersection of function and design. Eager to create meaningful tools and applications.

## PROGRAMMING SKILLS

**Front-End**     HTML5 · JavaScript · jQuery · CSS3 · SASS/SCSS · Bootstrap · Haml · Highcharts · Simple Calendar

**Back-End**     Ruby · Node · Python · PostgreSQL · WebSockets

**Frameworks**   Rails · Sinatra

**Testing**       RSpec · Rails Test Unit · Capybara (Selenium) · Jasmine

## PROJECTS

### [Humanize](#) | [GitHub](#)

- Humanize organizes empathy sessions and collects survey data using a Slack bot to promote emotional intelligence in teams
- Built API that serves and accepts RESTful JSONs, implemented Highcharts for visualizing aggregated survey results
- Key technologies used were Rails, Highcharts, Faye, EventMachine

### [PlzHalp](#) | [GitHub](#)

- PlzHalp is a scheduling tool that arranges one-on-one, tailored tutoring sessions for Dev Bootcamp mentors and students
- Designed schema for relational database, prepared mockups, implemented Simple Calendar for arranging appointments
- Key technologies used were Rails, Haml, Bootstrap, Sass, Simple Calendar

### [MapJamz](#) | [GitHub](#)

- MapJamz is a music discovery application that reveals a country's most popular tracks
- Uses Last.fm API to retrieve tracks, YouTube API to fetch video identifiers, Google Maps API to visualize country locations
- Key technologies used were Sinatra, PostgreSQL, HTML5, CSS3, jQuery, HTTParty

## PROFESSIONAL EXPERIENCE

**UC Berkeley Student Learning Center** – *Mathematics Instructor* Sep 2013 – May 2016

- Developed and taught our Linear Algebra and Differential Equations curriculum to 30 students
- Contributed to an annual 15% increase in Math GPAs of students who attended the Student Learning Center
- Held reviews presenting exam-level inquiries and problem-solving strategies for frequently asked questions to 125 students

**UC Berkeley EECS Department** – *Lab Assistant* Aug 2013 – Dec 2013

- Provided comprehensive code reviews with emphasis on readability for 30 students
- Assisted students in discussion sections in understanding high-level programming concepts and debugging

## EDUCATION

**Dev Bootcamp** – *Full Stack Developer Trainee* July 2016 – Nov 2016

- 19-week project-based training program for web development, following MVC design pattern and RESTful architectures
- Developed and maintained web applications with emphasis on Ruby, JavaScript, SQL databases, test-driven development

**University of California, Berkeley** – *B.A. Mathematics* Jan 2013 – Dec 2015

- Pure mathematics curriculum with emphasis on Differential Equations and Set Theory
- Proficiency in scientific computing with MATLAB, especially for approximating solutions to Differential Equations

**Carnegie Mellon University** – *Logic Student* June 2015

- Summer school student of Logic and Formal Epistemology for Topology, Modal Logic, and Imprecise Probabilities
- Attendee of TARK (Theoretical Aspects of Rationality and Knowledge) 2015 Conference