

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 · Haml · Bootstrap · Materialize · Highcharts
Back-End	Ruby · Node · Python · PostgreSQL · SQLite3 · MySQL · MongoDB · WebSockets
Frameworks	Rails · Sinatra · Express
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* Aug 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 Model/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