

JOEL CHEN XI GRAYCAR

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EDUCATION

University of California, Berkeley (Class of Spring 2016) - Bachelor of the Arts, Computer Science

EXPERIENCE

Software Engineering Intern, Yelp (Summer 2015)

- Full-stack web developer on Yelp's **SeatMe** product, handling online reservations and table management for restaurants.
- Focused on improving ease of use for new customers; implemented new features that resulted in an observed 4x speedup in user response time during Alpha/Beta testing.
- Added extensive selenium and unit testing for all new features and fixes.

Student Web Applications Programmer, Berkeley Law School (Summer 2014 - Spring 2015)

- Contributed to open-source Ruby on Rails / Angular JS application **CalCentral**, a student portal website used by all of Berkeley's 30,000 students.
- Developed new routing and conditional logic to present law school users with specialized information, based on data pulled in using UC Berkeley APIs.
- Continued development of internal project status monitoring tool, tracking function and table usage.

Data Analysis Intern, DecisionNext (Summer 2013)

- Worked with startup team looking to advise companies on investment strategies by offering big-data analysis software on the cloud.
- Pulled market data from online government databases and analyzed to determine trends between multiple variables for various markets.

PROJECTS

Cal Raijin Taiko Website - <http://www.caltaiko.org> (Summer 2014):

- Full-stack developer of new fully-responsive website for campus student group, using Ruby on Rails and Zurb Foundation front-end framework.
- Utilized numerous gems to add advanced functionality, including administrative privileges for registered users and image upload directly to AWS S3 bucket.
- Employed test-driven development process, with thorough selenium and unit testing.

Berkeley Student Cooperatives Workshift Website (Spring 2015):

- Worked with team of 6 developers to create a new workshift management website for the Berkeley Student Cooperative, replacing legacy system to add new functionality and improve user experience.
- Followed Agile development practices, including quick, short iterations with frequent customer feedback.
- Implemented multiple permission levels based on user role, with different actions tied to each level.

COURSES

STAT 133: Concepts in Computing with Data

MATH 116: Cryptography

CS 170: Efficient Algorithms

CS 188: Artificial Intelligence

CS 169: Software Engineering

CS 161: Computer Security

CS 168: Internet Architecture

CS 186: Databases



<https://github.com/jgraycar>



<https://www.linkedin.com/in/jgraycar>