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 development tool to

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   **CS 169:** Software Engineering
MATH 116: Cryptography   **CS 161:** Computer Security
CS 170: Efficient Algorithms   **CS 168:** Internet Architecture
CS 188: Artificial Intelligence   **CS 186:** Databases

https://github.com/jgraycar   https://www.linkedin.com/in/jgraycar