

# JESSICA CHAN

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## EXPERIENCE

### Pinterest, Nov '14 - Present

*Sr. Software Engineer*

- Tech lead of first-ever dedicated web performance team. Developed and executed on company performance strategy with focus on regression monitoring and prevention before optimization investment. Mentored and developed team members and facilitated cross-team performance investigations and tradeoff decisions. *Work featured at PerfMatters, AltitudeConf, DeltaVConf.*
- Architected and implemented performance regression CI test framework preventing bad release candidates from deploying and regression production performance. Created automated binary search tool to identify performance-regressing commits saving engineer hours from manual investigation. Created a custom instrumentation library utilizing Zipkin to collect, monitor and visualize realtime user performance data for key Pinterest flows. Tools ended up preventing dozens of regressions; measurements became top-line company metrics.
- Migrated Pinterest web template rendering engine from Jinja (Python) on the server and Nunjucks (JS) on the client to an isomorphic architecture where NodeJS and the client could both render Nunjucks, unlocking the migration to React. *See blog on LinkedIn. Spoke at React Amsterdam and Real World React.*
- Migrated client- and server-side frameworks that serve Pinterest.com from BackboneJS to React. Project yielded a 20% performance gain for the site.
- Architected and launched a service as an efficiency optimization for expensive experiment hashing operation that saved the company \$500K per year in compute costs.
- Member of the core experience web platform team managing backend web fleet and services, building out the application framework and developer build system, creating testing frameworks, and improving performance and efficiency.

### SquareTrade, Mar '13 - Oct '14

*Software Engineer*

- Maintained and expanded the in-house SquareTrade custom javascript MVC framework and built new custom UI components.
- Created new applications and added features to existing SquareTrade Javascript applications built with the SquareTrade MVC. Was once called a "bug-fixing machine." Agile environment.
- Wrote javascript unit tests using Jasmine and PhantomJS for existing and new features and modules in both our framework and applications. Ensured javascript, HTML, and CSS browser compatibility up to IE8. Regular code reviews and documentation.
- Launched Drupal multilingual/multidomain/multisite project to serve international customers and refactored CSS framework to BEM/OOCSS methodology.
- Lead architect of Drupal site, wrote custom Drupal PHP modules and themes, administer and maintain Drupal dev environments. HTML and CSS custom theming and emails.

### Jessica Chan Studios, Jan '04 - Present

[www.jessicachanstudios.com](http://www.jessicachanstudios.com)

- Over 10 years of experience taking freelance projects which developed my development and design skills, business acumen, and exposure to a myriad of industries.
- Completed front-end application projects end-to-end ranging from REST applications to marketing websites. Worked with Dojo, React, Angular.

**CLIENTS SERVED INCLUDE:** Intel, Huawei, Duracell, Oka B. Spa Shoes, YMCA, Harry's Bar, Bruno's, Tacpoint, DailyStrength, and many others.

### University of California, Berkeley

*Class of 2007*

Bachelor of Arts degree in English, GPA 3.523

Bachelor of Arts degree in economics, GPA 3.387

*Of note: Editor-in-Chief & Online Manager of the Daily Californian, Omicron Delta Epsilon Economics Honor Society*

## TECHNICAL SKILLS

JAVASCRIPT

PYTHON

FULL STACK

PLATFORM

SYSTEMS

DEVOPS

UI/UX

## OTHER

SELF TAUGHT

MENTOR

SPEAKER

## EDUCATION