



Joel Aguero

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TECHNICAL SKILLS

JavaScript · ES6 · jQuery · CSS3 · SASS · HTML5 · D3.js · Express.js · RESTful APIs
React · Redux · Angular · Backbone · Node.js · socket.io · Git · MVC · UI/UX design
Photoshop · Illustrator · Sketch · Test-driven development · Relational data · SQL
MySQL · Sequelize · MongoDB · Mongoose

EDUCATION

Stanford University 2014
B.S. Product Engineering & Design

RELEVANT COURSEWORK

Data structures, algorithms, JavaScript,
web app security, C++, Java, Ruby/Rails,
Python/Django, space/time complexity.

HONORS

2014 Kleiner Perkins Fellow (1 of 10)
2013 Stanford Class President
1 of 12 Buck Scholarship Recipients (\$400k)

Hack Reactor 2016
Advanced software engineering intensive (3% acceptance rate)

PROFESSIONAL EXPERIENCE

Coursera · Product Designer 2014 - 2016

ENGINEERING CONTRIBUTIONS

- Refactored client-side logic to clarify state, increasing code extensibility.
- Developed inaugural CSS styleguide, accelerating front-end development workflows.
- Designed and prototyped responsive, modular, component-based layouts.

DESIGN CONTRIBUTIONS

- Shipped high-stakes payment flow iterations, reducing refund rates by 30%.
- Led complex, multi-screen, cross-platform redesigns for the core learning experience.

Nextdoor · Engineering & Design Intern 2014

- Built clear and reusable rich link templates to launch the web & mobile-web versions.
- Implemented error pages using CSS3 animations to improve performance over jQuery.

Freelance · Web Developer & Designer 2013 - 2014

- Defined and shipped working MVPs, securing initial funding for early-stage startups.
- Worked closely with CEOs to realize product-market fit and refine product roadmaps.
- Created HTML5, CSS3, and JavaScript prototypes to articulate product direction.

Lenovo · UI/UX Development Intern 2012

- Built functional prototypes in JavaScript under tight deadlines with ambiguous briefs.
- Led iterative dev workflows, rapidly prototyping and iterating based on user feedback.

SOFTWARE ENGINEERING PROJECTS

Swivel Systems · Software Engineer swivelsystems.org
Education management for K-12 schools

- Utilized web sockets to implement low-latency package transfer for real-time chat.
- Led unit test integration using Karma, Jasmine, and Travis CI to maintain consistent builds on the client and server.
- Implemented flux architecture using Redux to maintain a clean and extendable state.

Frankie Cricket · Software Engineer frankiecricket.com
Music aggregator for SoundCloud and YouTube

- Coupled D3.js with React's lifecycle methods to visualize dynamic audio streams.
- Engineered a RESTful API and persistent storage using Express.js, Sequelize, & MySQL.
- Shipped responsive UI and animations using jQuery, CSS3, and grid.io.

Scenic Ninja · Software Engineer www.scenic.ninja