

# Grant Sauer

San Francisco, CA  
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portfolio  
email

linkedin  
github

## Skills

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Ruby, Ruby on Rails, JavaScript, jQuery, React, Flux, SQL, git, HTML, CSS

## Education

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### Web Development, App Academy

*March 2016 - May 2016*

- Immersive full stack web development course
- Competitive school with an acceptance rate under 3%

### BS Industrial Design, Arizona State University

*August 2011 - May 2015*

- Design Thinking, User Experience, User Interaction, Design Research
- Graduated Summa Cum Laude with Honors, 3.83 GPA, Dean's List, ASU President's Award Merit Scholarship

## Experience

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### Valet, All About Parking

*Palo Alto, California*

*December 2015 - March 2016*

- Taught myself Ruby, HTML and CSS while working part-time jobs
- Parked over 20 cars an hour at two locations in Palo Alto

### Industrial Design Intern, Achilles Design

*Mechelen, Belgium*

*May 2014 - August 2014*

- Solo designer of a wall inlet for a central vacuum cleaner. From start to final prototype in one month
- Created a 39-page market analysis of bikes which helped influence a new product's direction

## Recent Projects

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### Full Stack Engineer

snapshots.design - github

*Easy drag-and-drop web portfolio. Single-page React app consuming RESTful JSON Rails API.*

- Dynamically creates a new image layout on each reload from a custom algorithm. This keeps each page looking fresh and interesting for the viewer
- Utilizes and improves the Cloudinary Widget to allow the user to add photos from multiple folders when adding photos to an album

### Front End Engineer

interactive\_spiral - github

*Interactive Spiral*

- Custom algorithm that adjusts visual speed of change relative to distance of mouse
- Uses HTML5 Canvas, trigonometry, and visual biases to create depth

### Front End Engineer

tree\_generator - github

*Modern Art visual tree generator*

- Custom algorithm that randomly generates a tree based on predetermined variables
- Height of tree and thickness is relative to where one clicks on the canvas to generate a new tree

### Front End Engineer

missile\_command - github

*A remake of the classic Atari game*

- Continuously scaling gameplay allows one to play an infinite number of rounds
- Calculates the origin of the defending missile based on distance to target and ammo remaining

### Back End Engineer

ActiveRecordLite - github

*Custom ORM Inspired by ActiveRecord*

- An Object Relational Mapping System inspired by the functionality of ActiveRecord
- Test Driven Development utilizing Rspec as the test suite, to ensure correct functionality