

# Andrew Li Dong

Software Engineer

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in [LinkedIn](#) |  [GitHub](#) |  [AngelList](#)

## EDUCATION

**University of Chicago**  
Chicago, IL | 2012-2016

- **Bachelor of Arts, Mathematics**
- GPA: 3.1 | SAT: 2360

## SKILLS

JavaScript ES6 (React.js, Redux, jQuery, AJAX, Capybara) | Ruby (Rails, Active Record, RSpec) | Python3 | HTML5 | CSS3 | Git | LaTeX | SQL | Heroku Deployment | AWS

## EXPERIENCE

**App Academy** New York, NY | September 2018 - February 2018

*Placements TA*

- Hired as top performer from full-stack web development program with 3% acceptance rate
- Led curriculum development into algorithms and data structures to be used in NYC and SF
- Trained developers in algorithms and data structures through collaborative whiteboarding sessions
- Supported over 200 Rails and React capstone projects with implementation decisions, debugging and code review

## PROJECTS

**This Is Water** | (React/Redux, Rails, PostgreSQL, AWS)

[Live](#) | [Github](#)

*Full-stack story sharing platform*

- Reduced server load with remote photo storage on AWS S3 Cloud
- Backend checks for popular tags, stories and followed authors to generate personalized splash page
- Dynamic regular expression matching search bar
- Mobile friendly design styling with Sass mixins and media queries

**Pixel Paint** | (Canvas, D3)

[Live](#) | [Github](#)

*Random sampling algorithm visualization tool*

- Generates Poisson, Mitchell's Best Candidate, Uniform Random and Uniform Samplings
- Visualizes samplings using Voronoi, Stippling and Generation Maze in real time

**Profound Sound** | (Canvas, Web Audio API, D3)

[Live](#) | [Github](#)

*Music visualizer that utilizes Web Audio API to render frequency data*

- Processes frequency data extracted via Web Audio API to tune amplitude value of Canvas visualizations
- Integrates D3 API to visualize data dynamically

## INTERESTS

- Equinox New York Sports Club Rock Climbing Instructor (2017 - Present)
- Freelance Football Referee with NFL Flag, Special Olympics, NYGFL, BMFL, Columbia, NYU (2017 - Present)
- Line cook at Daniel (NYC) and A10 (Chicago) with extensive stagiaire experience (2015-2017)
- Mad Dogg Certified Spin Instructor with CPR/AED/First-Aid Certifications (2017 - Present)