

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](#)

Single page full-stack story sharing forum inspired by Medium

- Stores photos remotely on AWS S3 Cloud through Active Storage to reduce server load and allow for scalability
- Implements Rails polymorphic associations on the backend to allow users to clap to both stories and responses

Imagine | (Canvas, D3)

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

Random sampling algorithm visualization tool

- Generates Poisson, Mitchell's Best Candidate, Uniform Random and Uniform Samplings
- Visualizes algorithm using Stippling, Voronoi 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)