

# 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**
- SAT: 2360

## SKILLS

JavaScript ES6 (React.js, Redux, jQuery, AJAX, Capybara) | Ruby (Rails, Active Record, RSpec) | Python3 | C++ | HTML5 | CSS3 | Git | LaTeX | SQL | GraphQL | Neo4J | Heroku Deployment | Docker | AWS

## EXPERIENCE

**Codecademy** New York, NY | September 2018 - Current

*Coding Coach - Advisor*

- Define student goals, review coding topics, provide access to additional resources, and debug code

**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*

- Features RESTful design with CRUD resources for readability and essential functionality
- Dynamically renders reusable DRY components through React's virtual DOM framework
- 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

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

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

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

- Analyzes audio element output and extracts frequency data using Web Audio API
- Processes frequency data in order 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)