

# AARRON LEE

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## EXPERIENCE

**Full Stack Developer** December 2017 – Present

*Zinc Platform, NY, NY 10012*

- Led the development of the Quoting Engine, a high performance concurrent system that aggregates and optimizes insurance quotes from various third party systems
- Architected Zinc's integration with multiple insurance carriers and raters, including Safeco, Travelers, Stillwater Property & Casualty, Progressive, and Lemonade
- Quickly adapted to Zinc's code base and made contributions to the company's core infrastructure across the stack focused on Ruby on Rails and React development

**Web Developer / Linux Technical Support Specialist** Spring 2015 - Fall 2017

*Emory University - Department of Mathematics and Computer Science*

- Website Upgrade/Port - Upgraded and rebuilt Main Department website with an updated, responsive CSS template
- Created MVC frontend framework with PHP to use alongside the department's custom CMS solution, along with a JSON-based API for to modularize website structure
- Created Internal-use web applications with PHP, including video streaming, inventory management, basic information portals, and other tools
- Complied, configured, and deployed dependencies to Linux research servers

## EDUCATION

**Emory University** Fall 2009 - Spring 2015

*Bachelor of Science - Computer Science (GPA 3.1), Bachelor of Arts - Japanese*

- Undergraduate Teaching Assistant for Introductory Computer Science, Summer 2014

## SKILLS

Ruby, Rails, JavaScript, React, Redux, PostgreSQL, PHP, Java, Python, Elixir, Phoenix

## PROJECTS

**Dischat (Rails, React/Flux)** [live](#) [github](#)

A full-stack, single-page live chat application heavily inspired by [Discord](#), frontend written with JavaScript, React and Redux, backend consists of a RESTful API handled by Rails

- Leverages websockets via Pusher for real-time updates on new messages, new users, and newly added channels
- Enables Image uploading and processing through the Rails backend, hosting images on AWS S3 bucket instances
- Protects backend JSON APIs to prevent illegal/unauthorized AJAX calls with Rails validations and session token checks

**Maze Life (JavaScript, CSS, HTML)** [live](#) [github](#)

A visualization of maze generation algorithms and path traversal algorithms using vanilla JS and CSS/HTML

- Utilized JavaScript timeouts to add CSS classes with corresponding colors to simulate animated path traversal in maze
- Encapsulated and abstracted UI component to ensure consistency between UI and internal data structures