AARRON LEE

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EXPERIENCE

Software Engineer 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

App Academy   Fall 2017
Immersive full-stack web development course with 3% acceptance rate
- Emphasizes TDD, REST, OOP, and other relevant best practices

SKILLS

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

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