

# AARRON LEE

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## EXPERIENCE

**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

**Information Technology Intern** Summer 2013

*American Chamber of Commerce in Japan*

- IT Infrastructure Analysis - Assisted in producing an analysis of the enterprise IT structure, investigating potential security holes, future maintenance issues, developmental costs, long term viability, and cost effective alternatives

## EDUCATION

**Emory University** Fall 2009 - Spring 2015

*Bachelor of Science - Computer Science (GPA 3.2), Bachelor of Arts - Japanese*

- Undergraduate Teaching Assistant for Introductory Computer Science, Summer 2014

**App Academy** Fall 2017

Immersive 1000+ hour 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 | C

## 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