

AARRON LEE

11 Ivy Court, Staten Island, NY 10309

CELL 347-559-1724 E-MAIL aclee91@gmail.com



EXPERIENCE	<p>Web Developer / Linux Technical Support Specialist Spring 2015 - Fall 2017 <i>Emory University - Department of Mathematics and Computer Science</i></p> <ul style="list-style-type: none">- 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 <p>Information Technology Intern Summer 2013 <i>American Chamber of Commerce in Japan</i></p> <ul style="list-style-type: none">- 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	<p>Emory University Fall 2009 - Spring 2015 <i>Bachelor of Science - Computer Science (GPA 3.2), Bachelor of Arts - Japanese</i></p> <ul style="list-style-type: none">- Undergraduate Teaching Assistant for Introductory Computer Science, Summer 2014 <p>App Academy Fall 2017 Immersive 1000+ hour full-stack web development course with 3% acceptance rate</p> <ul style="list-style-type: none">- Emphasizes TDD, REST, OOP, and other relevant best practices
SKILLS	Ruby Rails JavaScript React Redux PostgreSQL PHP Java Python
PROJECTS	<p>Dischat (<i>Rails, React/Flux</i>) 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</p> <ul style="list-style-type: none">- 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 <p>Maze Life (<i>JavaScript, CSS, HTML</i>) live github A visualization of maze generation algorithms and path traversal algorithms using vanilla JS and CSS/HTML</p> <ul style="list-style-type: none">- Encapsulated and abstracted UI rendering to ensure consistency between UI and internal data structures- Utilized JavaScript timeouts to add CSS classes with corresponding colors to simulate animated path traversal in maze