

Max Su

SOFTWARE ENGINEER

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Education

University of Illinois at Urbana-Champaign

AUG. 2015 - PRESENT

B.S. IN COMPUTER SCIENCE AND STATISTICS

CHAMPAIGN, IL

– Expected Graduation Date: **December 2018**

Experience

Agrible

JAN. 2017 - PRESENT

SOFTWARE ENGINEERING INTERN | REACT.JS | PYTHON | DJANGO | SCSS

CHAMPAIGN, IL

- Developed API endpoints and webhooks for the SendGrid API to identify and deactivate inactive accounts or accounts with bouncing emails automatically: speeding up the processing and sending of the daily Morning Farm Report emails by 20%.
- Optimized the filtering algorithm for the Field Story timeline: improving runtime performance from quadratic time $O(n^2)$ to linear time $O(n)$.
- Created features, unit-tests and refactored older parts of the across the full stack of the React.js and Django Morning Farm Report web application: making the codebase more modular, DRY and performant.

J.P Morgan Chase & Co.

JUL. 2015 - AUG. 2015

SUMMER ANALYST

NEW YORK, NY

- Led a team of 4 through coordinating work-flow, creating, and presenting a PowerPoint deck on a macroeconomic overview of investment opportunities in Japan for overseas high net worth individuals.
- Updated offshore pitch-book revenue reports and graphs to update clients on the performance of their portfolio on the discretionary managed accounts team.

Projects

LoL Chime

JUL. 2016 - AUG. 2016

JAVASCRIPT, NODE.JS, HTML5, CSS3, WEBSOCKETS

- Developed and published an open-source terminal utility on NPM with over **30,000 downloads** & an open-source web application that allows users to get an audio notification when their friends are finished with their League of Legends game.
- Tracked games asynchronously via extending the Event Emitter class to hold additional metadata, emitting and handling events in Node.js to scale and to avoid blocking I/O for requests to the Riot Games RESTful API.
- Built unit tests that ran with Travis CI to ensure functionality of deployed code.

Story Time

AUG. 2016 - SEP. 2016

RUBY ON RAILS, JAVASCRIPT, HTML5, SCSS, POSTGRESQL

- Developed a bilingual web application that allows undocumented immigrants to share their struggles (living without any sort of identification) on a form to be approved by an admin and displayed.
- Stored story data and admin data into a PostgreSQL database with submitted story image assets being stored in an AWS S3 bucket.
- Helped get an ordinance passed that allowed 125,000 residents of Elizabeth, NJ to get municipal IDs.

Skills

Programming Languages Python, C, C++, Java, Ruby, JavaScript

Web Development React.js, Node.js, Django, Ruby on Rails, HTML5, CSS3, SCSS

Misc. Technologies Linux, Git, Vim, AWS S3, WebSockets