RAYMOND LEE

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PROJECTS

Project Manager, Lead Developer   Swap | Live | GitHub
Online marketplace for university students built using Rails, React, Firebase, and Bootstrap
- Managed the repository, reviewed collaborators' code, and merged pull requests
- Utilized Facebook OmniAuth 2.0 and Delayed::Job to authenticate users and verify their university email addresses using confirmation tokens
- Integrated Google's geocoding API for mapping out housing posts, autocompleting physical addresses, and translating them into latitude and longitude coordinates

Frontend Developer   Youtube Desktop | Live | GitHub
A cross platform desktop client for Youtube built using Electron and React
- Utilized Sass and media queries to build a fluid, responsive application
- Modularized the codebase and set up folder structure based on features for better scalability and easier delegation among 6 engineers

Full Stack Developer   TimeKeeper | Live | GitHub
A single page time tracking web application built with Rails, React, Redux, and D3
- Implemented D3.js for task data visualization and improved time management
- Utilized a RESTful API that effectively returns JSON response via jQuery-based AJAX calls

Mobile Developer   Dr. Appointment | Live | GitHub
A mobile app for users to schedule doctor appointments built with React Native and Rails
- Incorporated Twilio's SMS API for 2-way authentication and appointment confirmations
- Integrated geo location bias into search and enabled auto-login using AsyncStorage

SKILLS

React	Rails	JavaScript	jQuery	HTML5	SQL	React Native	Git
Redux	Ruby	TypeScript	Python	CSS3	Sass	Bootstrap	D3

EDUCATION

B.A. Chemistry
Northwestern University (June 2014)

EXPERIENCE

Teaching Assistant, App Academy; San Francisco, CA   March 2017 - June 2017
- Taught Ruby to prospective students by providing one-on-one support and introducing programming concepts in lectures of 50+ students
- Contributed to App Academy curriculum on architecture, system design, and scalability

Medical Scribe, ScribeAmerica; Chicago, IL   July 2015 - April 2016
- Secured a contract extension with the hospital by achieving 20% increase in hospital reimbursements and 50% decrease in patient waiting time through meticulous charting

Research Assistant, Odom Lab; Evanston, IL   March 2012 - March 2015
- Designed new research protocols on conjugating gold nanoparticles which reduced material cost by over $10,000 and published 4 articles in renowned scientific journals

PUBLICATIONS

- Dam, D., **Lee, R.**, and Odom, T. Improved in vitro efficacy of gold nanoconstructs by increased loading of G-quadruplex aptamer. Nano Letters, 14(5):2843-48, 2014 April
- Dam, D., Lee, H., **Lee, R.**, Kelleher, N., and Odom, T. Tunable loading of oligonucleotides with secondary structure on gold nanoparticles through a pH-driven method. Bioconjugate Chem., 26(2):279-85, 2015 January