RAYMOND LEE

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PROJECTS

TimeKeeper (Rails, React.js/Redux, PostgreSQL) **Live | GitHub**

A time tracker app inspired by Toggl

- Leveraged the Facebook Flux cycle with React to allow users to create projects, tasks within projects, and tags within tasks to track their progress
- Implemented D3.js for task data visualization with application of single responsibility principle increasing flexibility of the design and reusability of the code
- Utilized a RESTful API that effectively returns JSON response via jQuery based AJAX calls

Piano Revolution (JS, CSS, HTML, Canvas API) **Live | GitHub**

Browser game inspired by Dance Dance Revolution

- Created movement by incrementing object position during each animation frame
- Utilized anime.js to create fireworks effects on every keydown event

Dr. Appointment (React Native) **Live | GitHub**

A mobile app for users to make appointments with doctors

- Utilized Twilio to implement two-factor authentication and increase security
- Integrated Google geolocation to search for doctors

SKILLS

React, JavaScript, Rails, Ruby, RSpec, jQuery, Flux, SQL, Git, HTML5, CSS3

EDUCATION

Web Development

App Academy (February 2016)

Immersive 1000-hour full-stack web development course with a <3% acceptance rate

B.A. Chemistry

Northwestern University (June 2014)

EXPERIENCE

Medical Scribe, ScribeAmerica; Chicago, IL **July 2015 - April 2016**

- Standardized the responsibilities of scribes to include performing medical differential diagnoses resulting in 20% increase in physician-patient interaction time
- 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
- Collaborated with PhD candidates to publish 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