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 by applying the 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

- Stimulated smooth object movement by incrementing object position during each length of animation frame and designed beautiful fireworks effects on keydown

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

A mobile app for users to make appointments with doctors

- Utilized Twilio to implement two-factor authentication and scheduled SMS reminders
- Implemented geolocation search bias to allow users to search for doctors in their area

SKILLS

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

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