

ANDREW M. TAM

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PROFESSIONAL EXPERIENCE

Senior Software Engineer | Mark43

July 2018 – Current

Arc Design System

- Co-engineered company-wide design system by collaborating with design team to craft reusable React components
- Facilitated adoption of and enabled contributions to design system by providing mentorship to engineering teams
- Managed codebase using a variety of technologies including storybook, chromatic, lerna, typescript and react

Cypress Testing Infrastructure

- Architected a concise set of Cucumber step definitions on top of Cypress to cover a large amount of product use-cases
- Mentored QA and engineering teams to enable them to contribute to the end-to-end testing suite
- Debugged, maintained, and improved dozens of tests to improve quality and reduce flakiness

Lead FE Engineer on New Product

- Learned and implemented best practices using GraphQL with apollo and React
- Mentored teammates of best practices in the React ecosystem using eslint and PR reviews
- Collaborated with BE team to build GraphQL API contracts for features

Senior Front-End Developer | CBS Interactive

October 2016 – July 2018

Testing Infrastructure For Live Scoring Application

- Rebuilt testing infrastructure using react and redux to significantly speed up development and QA efforts
- Created express nodeJS server to mimic static API's from existing testing infrastructure
- Built nodeJS socket server to relay information between the testing dashboard and multiple browser clients

Technology Optimizations

- Reduced CSS build-time from 300 seconds to 30 seconds by replacing compass build system with gulp and node-sass
- Increased site performance and reduced JS execution time by bundling multiple JS files into a single file
- Introduced ES6 into requireJS code base by integrating a transpiler without impacting developer workflow

MLB Gametracker | https://www.cbssports.com/mlb/gametracker/boxscore/MLB.20171031_HOU@LAD/

- Successfully advocated for migration of core live scoring application off of Backbone.Marionette and onto react/redux
- Taught team react/redux while simultaneously spearheading the development effort and architecting the application
- Reduced codebase two-fold by rebuilding the web app responsively
- Built nodeJS server and exposed endpoints to render react components server-side

Lead Software Engineer | Rubenstein Technology Group

June 2014 – October 2016

Latham and Watkins Careers | <https://www.lwcareers.com/>

- Provided technical oversight for building components in a modular and reusable way with BEM and templating
- Collaborated with designers to find balance between engineering effort, technical feasibility and aesthetics

Software Engineer | Rubenstein Technology Group

June 2012 – October 2014

- Constructed flexible template partials to display content from proprietary CMS
- Scripted in perl to perform data manipulations or API requests against CMS

PERSONAL PROJECTS

Personal Website | <http://www.andrewmtam.com/>

Current

Online Banagrams | <https://banagrams-d4dc7.web.app>

Winter 2020 – Summer 2021

Laser Game | <https://lasers.firebaseio.com/>

Winter 2015 – Summer 2016

SKILLSET

TypeScript React, React-Router, Redux, Firebase, Webpack, CSS3, SCSS, BEM, HTML5, ES6 || Node, Couchbase, Elasticsearch, Postgres, Perl, PHP

EDUCATION

The Cooper Union for the Advancement of Science and Art | New York, NY

Bachelor of Engineering in Civil Engineering; Graduated: May 2012

- G.P.A. (Cumulative): 3.9/4.0
- The Cooper Union, Full-tuition academic scholarship, 2008 – 2012
- Dean's List: Fall 2008 – Spring 2012
- Courses: Data Structures and Algorithms I | Databases | Software Engineering | Interactive Engineering Graphics