SEAN YU

Software Engineer

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PROJECTS

Crossfade *(React.js, Redux, Rails)* **LIVE** | **GITHUB**
A single page full-stack music-sharing application

- Seamless song playback with custom audio player component in redux state while navigating the website
- Song/image file fetch/post/update/delete speed optimizations utilizing AWS S3 database with Rails back-end

TypeDefenseForce *(JavaScript)* **LIVE** | **GITHUB**
A browser typing game written mostly in vanilla JavaScript, with jQuery

- Canvas rendering with requestAnimationFrame() and HTML 5 / CSS 3
- Utilizes Google's Firebase Real-time Database to update and display high scores

DOMToretto *(JavaScript API)* **LIVE** | **GITHUB**
A JavaScript library inspired by jQuery

- Features an easy-to-use API which lets users traverse/manipulate DOM elements, add/remove event handlers, make Ajax requests, and more

SKILLS

Ruby	Rails	JavaScript	React.js	Redux	jQuery
HTML	CSS	PSQL	AJAX	AWS	Git

EDUCATION

App Academy | *New York, NY*   2018

- Rigorous full-stack software engineering curriculum with <3% acceptance rate
- Languages and Frameworks covered, including but not limited to: *Ruby, Ruby on Rails, JavaScript, React.js, Redux, jQuery*
- Emphasis on code quality, TDD, pair programming, and algorithms

Rutgers University | *School of Engineering (New Brunswick)*   2016

- *Bachelor of Science*, Applied Sciences Engineering
- Course Highlights: *Data Structures, Discrete Structures, Differential Equations, Multivariable Calculus, Advanced Calculus for Engineering (Laplace, Fourier, etc), Statistics for Business*

EXPERIENCE

Bergen County Clerk's Office | *Elections Division*   2014 - 2016

- Enforced election statutes of the State of NJ and provided voter and candidate assistance in the election process.
- Assisted the County Clerk identify target municipalities for voter-awareness campaigning through analysis of voting-statistics, utilizing Excel VBA programs/macros

Samsung Electronics America | *Product Support Engineer*   2012 - 2014

- Performed Home Appliances repair data monitoring, and repair-technician training through data analysis by creating and utilizing Excel VBA macros.
- MySQL queries into Samsung's inhouse Qings/SAP databases to fetch data and report any patterns and/or anomalies post-analysis.
- Contributed to the reduction of YTD Re-Repair rates of washer/dryer models from 7.25%+ to below 5% through data analysis and action items(Dec 2014).