SEAN YU

Software Engineer

- **GITHUB**: github.com/imseanyu
- **LINKEDIN**: linkedin.com/in/seanyu925
- **WEBSITE**: www.seanyu.io
- **E-mail**: seanyu925@gmail.com
- **Phone**: (201) 696-1657
- **Home**: New York, NY

PROJECTS

Crossfade *(React, Redux, Rails)* **LIVE** | **GITHUB**

- Single page application with seamless song playback (JavaScript Front-End, React.js components and Redux REST API, Rails Back-End)
- Song/image file uploading with AWS S3 / Paperclip gem
- User authentication via BCrypt and SecureRandom gems

TypeDefenseForce *(JavaScript)* **LIVE** | **GITHUB**

- 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   HTML   CSS   React   Redux

PSQL   jQuery   AJAX   AWS   RSpec   Git

EDUCATION

App Academy | *New York, NY*   2018

- Rigorous full-stack software engineering curriculum with <3% acceptance rate
- 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

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).