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# David Tan

## Software Developer

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## EDUCATION

### New York University | New York City, NY

Sep 2011 - May 2015

*Bachelors of Science in Computer and Electrical Engineering*

*GPA: 3.73 (magna cum laude)*

### App Academy | New York City, NY

Dec 2016 - Mar 2017

*Intense 1000-hour coding bootcamp focusing on best practices in web development*

## EXPERIENCE

### Epic | Verona, Wisconsin - Interface Engineer

Jul 2015 - Dec 2015

- Developed M routines in UNIX environment, efficiently querying a SQL database in order to parse primary care providers for clients
- Communicated with clients on a weekly basis to debug errors and facilitate a smooth UX
- Produced documentation for error resolution which was used by clients as a template

## PROJECTS

### LoCast : Location-based weather forecast delivery site

Rails, JavaScript, React, Redux, CSS, HTML, PostgreSQL

- Leveraged Google Geocoding API to accept various address formats for improved usability
- Incorporated JBuilder to format JSON API responses for ease of development
- Applied ChartJS for accessible data visualization of current and past forecasts

### QueueOverfilled : Single page forum site inspired by StackOverflow

Rails, JavaScript, React, Redux, CSS, HTML, PostgreSQL

[Repo](#)

- Eager loaded associated resources to prevent N + 1 queries for faster calls to database
- Created modular text editor component for the forum's questions and answers

### Alien Raiders : Classic top-down arcade shooter inspired by Space Invaders

JavaScript, CSS, HTML

[Repo](#)

- Utilized EaselJS to scale and render assorted size images for optimal performance
- Implemented inheritance tree for all moving objects to maintain behavior

### DOMain : Demo of a DOM manipulation library inspired by JQuery

JavaScript

[Repo](#)

- Created an event queue allowing DOM elements to hold multiple event handlers

## SKILLS

Ruby/Rails, JavaScript, HTML/CSS, SQL, React, Redux, Git, C/C++, Python, Java, C#