

# David Wu

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[LinkedIn](#) | [Github](#)

## EDUCATION

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### Carnegie Mellon University

May 2015

- BS Applied Mathematics

### App Academy

March-June 2018

- 1000 hour full-stack web development intensive
- Topics include computer science, Ruby, Rails, JS, React, Redux, SQL, TDD

## EXPERIENCE

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### Software Engineer | Millennium Management, New York NY

Oct 2018 -

Present

- Created REST API library to automate user request form submissions, as well as recursively gather data from CMDB. Saved around 200 manual hours per team a month.
- Developed dynamic web pages to pull data from CMDB to Service Portal UI for end users, using full stack development with AngularJS and NodeJS.
- Write and maintain SQL Server extract, transform, and load processes with the goal of sourcing data from multiple points of truth (Lansweeper, Chef, etc) and updating CMDB.
- Create automation workflows to integrate with other teams in the company and perform actions on servers such as restarting services and rebooting.

### Technical Support Engineer | Epic Systems, Verona WI

Aug 2015 - Aug 2017

- Implemented and developed a monthly automatic file load of registration data for ~5,000 insured patients. Removed 48 hours of manual combing per file.
- Developed new module to recognize incoming payments and automatically distribute them based on criteria, saving manual work required for over 100 different monthly files.
- Led project in increasing incoming claims acceptance rate by 20% for a patient population of 50,000, reducing weekly manual claims review workload by 50%.

## SKILLS

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Ruby, Rails, JavaScript, Python, NodeJS, React, Redux, REST, AWS, Git, SQL,  
PostgreSQL, SQL Server, HTML5/CSS3, AJAX

## PROJECTS

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### Ragtag (Rails, React, Redux, PostgreSQL, AWS, HTML5/CSS3)

[Github](#)

Single page social media platform for sharing photos. Inspired by Instagram.

- Implemented debouncing to improve search efficiency by reducing AJAX requests while dynamically updating search results.
- Built fullstack authentication system, using BCrypt password hashing to persist user specific data.

### Blocktrain (Machine Learning, HTML5 Canvas, CSS3, JavaScript)

[Github](#)

Browser-based OOP implementation of the classic Tetris game with AI demo.

- Wrote machine learning genetic algorithm to compute best weighted move per current and next piece before selective breeding.
- Built LRU cache to store most recent pieces to eliminate excessive piece repeats.