David Wu

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EDUCATION

Carnegie Mellon University   **May 2015**
- BS Applied Mathematics

App Academy   **March-June 2018**
- 1000 hour full-stack web development intensive

EXPERIENCE

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 fluid React dashboards with React Hooks, Semantic and Kendo UI to display user health violations and trends, allowing for Tech Support to be proactive.
- Used T-SQL and Python/Pandas to perform exploratory data analysis to determine historial user health averages for global offices, for dashboards above and upper management.
- Wrote JWT web token authentication for job queue application written in .NET Core, to be used as a central automation handler for the infrastructure team.
- Developed a weekly aging incident report using a subscription based T-SQL report, allowing individual team managers to be proactive in actioning incidents.
- Create 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

Python, Flask, Pandas, Linux, JavaScript, NodeJS, React, Redux, Ruby, Rails
AWS, Jenkins, Linux, T-SQL, PostgreSQL, SQL Server, HTML5/CSS3, Sass, AJAX, REST, Git

PROJECTS

Blocktrain (Machine Learning, HTML5 Canvas, CSS3, JavaScript)   Live | 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.