

# Jack Liu

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## SKILLS

### FRONTEND

- HTML
- CSS/Sass (SCSS)
- JavaScript
- React/Redux
- Bootstrap

### BACKEND

- Node/Express
- MongoDB
- PHP
- EJS
- SQL

### TOOLS

- Git
- Webpack
- WordPress
- Heroku
- Gulp

## PROJECTS

### MemCurve

- MERN Stack (with Redux and JWT) learning-assistance Progressive-Web-Application.
- Implemented two storage systems (IndexedDB and MongoDB) for automatic offline tracking and update of user's learning progress.
- Developed algorithms that stimulate short-term memory through controlled repetition and improves long-term information retention by modeling Forgetting Curve.

### Ecom101

- WAMP stack E-commerce WordPress template.
- Designed with MVC pattern in mind, the application prioritizes speed and performance and allows users to set up a simple shopping application.

### DevBlog

- Static website (blog) generated with GatsbyJS and queried with GraphQL.
- Introduced automated Markdown file query and essentially reduced new-posts' setup times down to 0.

### Dweller

- Fullstack server-side rendered (EJS) Node application with authentication (PassportJS).
- Utilized multiple external APIs to store data (with user permission) and then populate user dashboard.

## EDUCATION

B.S. Applied Mathematics. University of California, Santa Barbara

## PAST JOBS

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|--------------|-----------------|-----------|
| - Dioji Inc. | Dog Trainer     | 2017-2019 |
| - AFLAC.     | Insurance Agent | 2016-2018 |