

# Hsiu Chuan Shih

Software Engineer

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**SKILLS** React.js, Redux, JavaScript, jQuery, Ruby, Rail, HTML5, CSS3, Postgresql, MongoDB, Git, Heroku, AWS, and D3.js

## EXPERIENCE

### Software Engineer

*DSFederal inc.*, March 2016 - March 2018

- Maintained existing websites, refactored existing code to Increased performance and conform to new requirements.
- Deployed an optimized real-time widget from CPSC Recalls API to monitor the recall information on a daily basis.
- Built richly formatted and pixel-perfect annual fiscal reports to integrate CMS all departments data from Oracle for effectiveness and data accuracy.

### Senior BIOS Engineer

*Compal Electronics*, June 2010 - June 2013

- Led a team to assign tasks for engineers, monitor the project progress and report to the project manager.
- Responsible for design and implementation of weekly BIOS and troubleshooting with the clients, QA team and other relative teams for improving production lines efficiency and to make sure producing the laptop on time.

### Windows image builder

*Compal Electronics*, June 2008 - June 2010

- Worked with a team of 4 windows image builders to make customizations spec design of Windows image for manufacturability.
- Teamed up with Microsoft to create an auto testing Windows image system to reduce more than 50% effort and time.

## PROJECTS

### WeGo

[Live Site](#) | [Github](#)

A social application that allows users to find new activities and make new friends using: *Mongo, Express, React / Redux, Node, AWS, HTML5, CSS3*

- Collaborated with a team of 4 engineers utilizing efficient git and pull request workflow in order to minimize potential merge conflicts.
- Leveraged RESTful routes to implement full CRUD functionality, allowing users to dynamically manipulate activities, requests and user profile operations.
- Designed responsive styling by utilizing CSS3 media queries, creating a consistent quality across a variety of devices and screen sizes.

### JaceBook

[Live Site](#) | [Github](#)

A full-stack, single-page web application allows users to share the posts/comments using: *Rails, PostgreSQL, JavaScript, React/Redux, AWS, HTML5, CSS3*

- Utilized one-to-many polymorphic table to create flexible database models and to heavily DRY up backend code.
- Implemented real-time updates for creating, editing and deleting posts/comments/likes using Redux global store by dispatching actions to enhance component re-renders
- Combined AWS S3, Ruby on Rails RESTful API, and PostgreSQL to upload image files into Cloud Object Storage for data availability, security and reducing 90% server load.

### Covid-19 tracker

[Live Site](#) | [Github](#)

A JavaScript project for COVID 19 cases, deaths and vaccinated of US states on data visualization chart and map using: *JavaScript, D3.js, HTML5, CSS3*

- Used D3 Javascript library to create intuitive and dynamic data visualizations.
- Deployed event listeners using DOM manipulation to allow users to hover on map to render real-time data and line charts.
- Created a reusable data-fetching function to fetch third party APIs requests that runs the fetch, returns the response in JSON, and more.

## EDUCATION

**App Academy** - Immersive software development course with focus on full stack web development (May 2022)

**National Tainan University** - Master - Computer science and education (Spring 2008)