

WEIHSUAN WONG

Front-End Developer
Design Engineer

CONTACT

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EDUCATION

MS in Computer Science
Stevens Institute of Technology

- 📍 Hoboken, NJ
- 📅 Aug 2018 - May 2020

BS in Mathematics
National Kaohsiung Normal University

- 📍 Kaohsiung, Taiwan
- 📅 Sep 2012 - July 2016

SKILLS

Front-End Development

HTML, CSS, SCSS, JavaScript, jQuery, TypeScript, React.js, Next.js, Redux, Redux-Saga, Reduc-Thunk, Context API, React Query, Angular, D3.js, SVG.js, Apollo, Websocket, Mapxbox

Testing

Jest, React Testing Library, Enzyme

Mobile Development

React Native, Flutter

Back-End Development

Node.js, Express, NestJS, GraphQL, RESTful APIs

Database

MongoDB, Mongoose

CERTIFICATES

Google UX Design

Coursera
📅 2024

Front End Website Development

Highline College
📅 June 2017 - June 2018

📍 Des Moines, WA

Oracle Certified Associate, Java SE 7 Programmer

Oracle
📅 May 2017

SUMMARY

Experienced in leading frontend development projects, with around 4 years of experience, specializing in React ecosystem. Skilled in problem-solving and enhancing digital applications for improved user satisfaction. Collaborates effectively with teams to deliver high-quality solutions. Passionate in building accessibility (a11y), data visualization, crypto, and digital payment app.

WORK EXPERIENCE

Design Engineer

Visa

📅 Aug 2021 - Ongoing 📍 Austin, TX

- Led engineering team in revamping the VDCA, presenting the app at the Visa Payments Forum and DPS User Conference.
- Spearheaded Tap to Phone accessibility improvements, enabling independent transactions for visually impaired users.
- Conducted two rounds of Tap to Phone accessibility research, resulting in a 60% increase in satisfaction among interviewers.
- Collaborated with Equinox to develop a prototype app for testing VISA installments on POS terminals.
- Facilitated successful completion of Hong Kong Monetary Authority's pilot program for electronic Hong Kong dollars with HSBC and Hang Seng Bank through tokenization platform demonstration.
- Enhanced loading speed of Angular library in VISA Product Design System by up to 600 times. Introduced Hotkey and Google Analytics, addressing UI and accessibility issues.

Front-End Developer

ASUS

📅 Jul 2020 - June 2021 📍 Taipei, Taiwan

- Responsible for developing the keyboard feature in Armoury Crate, an app designed to manage ROG and TUF gaming accessories, serving millions of users.
- Catered to users worldwide and customized key interfaces according to language requirements, maintenance, and updates of existing functionalities such as setting RGB lighting, touch panel, and key management.
- Collaborated with the product team to develop features for managing the wireless keyboard M601 and detachable keyboard Claymore II, including power settings and monitoring capabilities.

Front-End Intern

Advantech

📅 Jul 2019 - Aug 2019 📍 Taipei, Taiwan

- Utilized Grafana's visualization platform, AngularJS, and SVG.js in an Agile environment to design user-friendly panels for real-time wastewater monitoring.
- Showcased the water treatment management dashboard at the Taipei International Industrial Automation Exhibition 2019, spotlighting innovative solutions for industry professionals.
- Awarded Advantech's 2019 Summer Intern Excellence Prize for leadership and process enhancements.

SIDE PROJECTS

Legislator Election Official Website

📅 Nov 2023

- Building a candidate campaign website with accessibility, multilingual support, and responsive design using Next.js, ContextAPI, and TypeScript.

English4TW

📅 May 2021 - Sep 2022

- Launched a mobile English Learning platform using React Native, TypeScript, Redux, Redux-Saga, and React Query.
- Main features include word comparison, search, bookmarking, audio playback, sharing words, and note-taking.

Taiwan Travel Guide, Taiwan Bike Guide, Taiwan Bus Guide

📅 Nov 2021

- Created platforms to assist visitors collect information about restaurants, transportation, and top attractions.
- Used Next.js, TypeScript, Context API, and Mapbox to create interactive maps for live bus tracking, cycling routes, real-time rental bike station information.