

Ho-Huan (Lars) Chiang

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EDUCATION

Rice University

Aug. 2020 – Dec. 2021

Master of Computer Science; GPA: 3.95/4.0

Houston, TX

- Course: Web Development, Object-Oriented Programming, Algorithm, Computer Security, Database Implementation

Chang Gung University

Sep. 2015 – Jun. 2019

Bachelor of Science in Computer Science; GPA: 3.89/4.0

Taoyuan, Taiwan

- Course: Computer Architecture, Embedded Software Design, Computer Network, Operating System

SKILLS

Software: TypeScript/ JavaScript / HTML/ CSS/ SQL/ C#/ C++/ Python/ Swift/ Java/ PHP

Tools: React / Node.js/ JQuery/ GraphQL/ .NET Core/ SQL Server/ Android Studio/ Xcode

Strength: Web Development/ Algorithm/ Data Structure/ Object-Oriented Design

WORK EXPERIENCE

Catchpoint Systems, Inc.

Jun. 2021 – April. 2023 (Expected)

Software Engineer II

New York, NY

Digital Monitoring Platform – React/TypeScript/.NET Core/GraphQL/SQL Server

- Worked on identity provider server to allow users to access multiple applications using a single login.
- Developed management pages to provide user with the ability to efficiently manage their account, including options for managing user, user roles, SSO, and more.
- Worked on OAuth 2.0 to ensure web pages and user data are protected
- Built APIs for users to fetch and update data

Chang Gung University

Aug. 2019 – Jul. 2020

Full Stack Software Engineer

Taoyuan, Taiwan

Obstetric Patients Care System – Android/Java/Swift/.NET Core MVC/C#/SQL Server

- Developed Bluetooth capability to Smart-Clothing product for the app to import real-time data of fetal movement and heartbeat, as well as the obstetric patient's heartbeat and contraction
- Developed an app and website with essential medical guidance and personal medical records for obstetric patients
- Enabled app connection to electronic medical records to import prenatal and laboratory data

Individual Medical Case Management System – .NET Core MVC/C#/SQL Server

- Created a web model to dynamically generate questionnaires from databases for medical affair officers
- Developed a website capable of automatically sending treatment care messages to patients and service records to managers via Email, text messages, and social media apps such as LINE

Kunshan Kerson Technology Company

Jul. 2018 – Aug. 2018

Software Engineer Intern

Jiangsu, China

Office Automation Management System – Android/Java/PHP/phpMyAdmin/HTML

- Developed android and web software using technical skills in database and software architecture design.

PROJECTS

Hope-Simpson COVID-19 – React (<http://hsmmap.rice.edu/>)

- Redesigned the UI and added plenty of animations, including scroll-based animations, on front-end side
- Supported RWD that make web pages render well on a variety of devices

Tree Node Visualizer - React (<https://hohuanchiang.github.io/tree-node-visualizer/>)

- Build React application for visualizing breadth-first search (BFS) and depth-first search (DFS) algorithms on a tree, complete with a range of customizable settings.