

# Ho-Huan (Lars) Chiang

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## EDUCATION

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### 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

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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

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### Catchpoint Systems, Inc.

Jun. 2021 – April. 2023

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

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**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.