**RUEI-YI KUO**

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**EDUCATION**

**Chung Yuan Christian University** Taoyuan, Taiwan

Major: Department of Information and Computer Engineering 09/2018 – 06/2022

Selected Courses: Assembly Language and Embedded System(A-),

Introduction of Quantum Computation and Quantum Information(A-)

Major: Undergraduate Program in College of Electrical Engineering and Computer Science

Selected Courses: Introduction to Computer(A+), Calculus(A-) 09/2017 – 06/2018

**WORK EXPERIENCE**

**eCloudvalley Digital Technology Co., Ltd -** *Cloud Engineer Intern*02/2022 – now

**Project: Eirverywhere**

．Developed a 3-tier architecture web systems providing users proper recommendations of outpatient departments. Azure cloud services are used for the cloud architecture.

．Mainly responsible for front-ends tech stack, fetching data from various APIs.

**Project: Awan-Ticket-System**

．Won the first prize of the internship hackathon among 6 groups by collaborating with a team of 7 members. We developed complete serverless web systems for technical support tickets by using AWS services and performed competitive coding skills of web development.

．Established a single page website by utilizing Vue.js on AWS S3 Bucket

．Omnichannel: Used Power Automate to receive several ways of social media or email to create the tickets and send confirmation email automatically by AWS SES and AWS Lambda function.

**Su-Tron Technology Inc. -** *Software Engineer Intern* 03/2021 – 07/2021

**Project : Web application of Su-Tron**

．Built a web systems by utilizing JavaScript/Express.js for a project of IOT robotic arms and related sensors.

．Deployed the web systems on AWS services in order to achieve High availability.

．Used Arduino which manipulates WebSocket protocol to send data of sensors，including sensors

**Project: On-premise Su-Tron application**

．Developed some features of the system.

．Implemented Image recognition and processing by OpenCV, which makes template matching time reduced half time than before.

**Selected Projects**

Scheme Interpreter : Our Scheme

．Constructed the Scheme Interpreter by C++

．Implemented Scanner, Lexical Analyzer, Evaluator by over 3000 lines of code.

Computer version application: Wound image recognition established on mobile devices

．Utilized opencv and Azure custom vision to distinguish wounds.

．Used raspberry pi and PiCam to collect photos and distinguish wounds.

Pygame design: Pika Ball (Mysterious blackhole version)

．Implemented a Pika Ball game to play volleyball with others by Python Pygame.

．Object-oriented programming

**Technical Skills**

**Programming Language**:

[proficient]

Python, JavaScript, C/CPP

[familiar]

Java, Assembly, Verilog, R

**Tools / Framework**:

Vue.js, Django, Express.js, Git, MongoDB

**Clouds**:

Amazon Web Service, Microsoft Azure

**CERTIFICATION**

．Exam AZ-900: Microsoft Azure Fundamentals

．Udemy: Vue- The Complete Guide (incl. Router & Composition API)

．Udemy: The Linux Command Line Bootcamp: Beginner to Power User

．Udemy: The Git & GitHub Bootcamp

**Extracurricular Activities**

Training Officer Guitar Club at Chung Yuan Christian University 09/2018 – 06/2020

Activity

．Planning annual results presentation

．Leading team mates to hold a successful event to appeal to over 500 audiences.

．Excellent teaching skills of guitar, which attracts about 50 students each course.

．Facilitate the club to gain first prize on musical clubs assessment.