CHUN-WEI CHEN

Asunción, Paraguay
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CAREER OBJECTIVE

To work for an organization that allows me to utilize my expertise and skills, enhance my professional abilities, and grow along with the organization's goals.

WORK EXPERIENCE

Technical Mission in Paraguay, Taiwan ICDF *January 2020 - Now*
Project Specialist

- Designed and implemented an inpatient system, integrating it with the existing outpatient system.

- Continued to develop the existing outpatient system, improving the user experience and performance.

- Both systems were implemented in all public regional hospitals in the country, serving over 500 thousand patients per month.

Technical Mission in Paraguay, Taiwan ICDF *September 2018 - August 2019*
Software Engineer (Military Service)

- Developed the HIS (Health Information System) with Java, Javascript, and PostgreSQL.

- Containerized the HIS project and automated the process of developing, building, and deploying.

National Chengchi University *September 2016 - August 2018*
Research Assistant

- Surveyed and implemented recent research.

- Assisted the professor in teaching C/C++ for the Data Structure course to students.

EDUCATION

National Chengchi University, Taiwan *September 2016 - August 2018*

- Thesis: Multi-Signature Byzantine Agreement

- Publication: MSig-BFT: A Witness-Based Consensus Algorithm for Private Blockchains (Best paper award on The 2nd International Workshop on Blockchain Technologies and Systems, IEEE BCTS 2018)

- Master of Computer Science

Tunghai University, Taiwan *September 2012 - July 2016*

- Bachelor of Business Administration

PROJECTS

Rigel Ledger, a Personal Finance Management Application

- Inspire by the Bitwarden ecosystem, the project provides the interface of the core functions, allowing others to implement frontend applications on any platform.

- Design and Implement a dual-entry accounting system to manage personal financial data.

- Collect daily income and outcome data, producing the formal financial reports, the Income Statement Sheet, and the Balance Sheet.

SvtBlog, a personal blog system written in Sveltkit

- Implement a WebApp by svelte, sqlite3, and pure NodeJS.

- Share knowledge about programming, language learning, and other computer science-related topics.

PyRemax, a web crawler targeting Paraguayan real estate data

- Use the python scrapy framework to download the real estate data for further analysis.

- Package the script into a container and execute it via cron job to automate the boring jobs.

Msig-BFT Consensus Engine on Go-Ethereum (Thesis of Master degree)
[Best paper award] The 2nd International Workshop on Blockchain Technologies and Systems (BCTS 2018)

- Implement the consensus algorithm of my master thesis on the Go-Ethereum platform by Golang.

- Increases the throughput of Go-Ethereum from 10-30 tps to more than 1000 tps.

TECHNICAL STRENGTHS

Computer Languages	Java, Python, Golang
DevOps Tools	Docker, DockerCompose, K8S, Jenkins
Webapp Framworks & Tools	SvelteJS, Flask, SpringBoot, Struts2
Database	PostgreSQL