林熙哲 Karl Lin

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I have five years of amateur backend and frontend development experience when I was student, after I leave school, I enter the data field because of my side project: analysis high-speed road traffic by ETC data, I have three years of data engineering and data analysis experience, including data collection, cleaning, and analysis, and then I started a company for data consultant and product manager outsourcing service but suspend because COVID-19, currently I am a computer science master's student in Yang Ming Chiao Tung University.

Experiences

Computer Center in NYCU CS   2021 - 2022

- Work in www team, maintain computer center web service, ex. application system for master's degree, classroom booking system.

- Introduce Password Manage Application and Web Application Firewall into computer center.

MoMoKa Studio Inc, CEO   2019 - 2021

- Help CTS New Media Dept. improve there SEO and Data Tracking (GA), after my improve, pageview increase 200%.

- Help Seekrtech Inc. (Forest App) build there data team from zero to one, include data Infrastructure and team structure.

- Release product - MICEPLUG, it is a LINE app for physical event use.

- Concert interactive app: Use LINE Bot to help singers and 1k audiences interactive in physical activity.

17 Media, Data Analyst   2017 - 2018

- Build LiveStream, TV Show, Digital Marketing, Registration Dashboard, cowork with product, marketing team.

- Use Google Analytics to analysis our product web version.

- Use user event log to detect who is fraud traffic to help marketing team to get correct registration ratio and CPC.

- Cleaning data and make a data error monitor dashboard.

VMFive, Data Engineer Summer Intern   2016

- The digital ad-tech startup that won the top prize at Slush Asia Tokyo in 2015, the first HTML5 interactive ads in the market.

- Using GCP Dataflow & BigQuery to process tens of thousands of records per day and plot them into Sankey Graph.

Educations

Yang Ming Chiao Tung University Computer Science, Master

Times Higher Education 2022 Ranking 88 in global CS field (2022), expected 2023.

Taiwan Tech University Information Management, Bachelor

QS 2021 Ranking 267, I has be choosed as a outstanding student of Management College.

Awards

2015 MIT Media Lab Future City Hackathon, Winning

Project Undergo, it is a package transfer service depend with MRT system.

2015 Shenzhen Strait Crossing Hackathon, Winning

I felt the inconvenience of unlocking the bike, so I made a smart lock with Xiaomi bracelet within two days.

2012 Student Software Design Competition, Second Place

Algorithm competition (like ACM, ICPC) in Taiwan senior high school, dozens of schools attend.

Experiences

Taiwan Tech University
Student Coding Club 1st Leader

2015

- We plan programming courses for non-computer-science field students to promote Computational Thinking education.

- Through the special design of the course, we can avoid the problem of interruptions in social studies due to schoolwork or examinations.

- In the first year of its establishment, more than 200 people applied to join the club, and it was awarded the fourth place in the club evaluation.

Taiwan Student Information Conference (SITCON)

2014 - 2016

- SITCON is a student-organized computer science conference with a focus on practical applications and Open Source and is the largest student information community in Taiwan with thousands of participants each year. Established eight years ago and continues to be active.

- I am the co-founder of SITCON and served as the finance team leader from 2014 to 2016.

Publications

Blog

Since 2009, we have accumulated 392 articles and 2.5 million views.

TEDxFJCU 2017

Why information education is so important

COSCUP 2017

The biggest Open Source Conference in Taiwan, I have a seminar to discuss "What is Community?"

SITCON 2014

When PHP meet Facebook API

Linux Pilot Magazine

A Chinese magazine host in Hong Kong, topic about Linux, Open Source, I was invited to publish articles about VPS knowledge when age sixteen.

Projects

Student RFID Checkin System

Use the RFID function of the student card for event check-in instead of paper check-in, speeding up the speed of event check-in. It can export the check-in records of past events, view the report of check-in rate, user management, etc.

The system is very successful and is used by thousands of people at dozens of events each year.

School Electronic Election

The system used in the student council election can quickly count the votes and reduce the incorrect counting of votes. The ballot is divided into two segments, the first segment has only the code and the selected candidate, the second segment has the code and the student number, the second segment is encrypted with the student's public key and stored in the database, and the first segment is used to count the votes, thus ensuring the fairness and anonymity of the election.

Ask Course

Students can use Ask Course to find course rating and feedback from other students, use Elasticsearch to store comments from Facebook, PTT and Dcard. It is host on Cloud Run.

Home Lab

Set up a simple VM environment at the office. We used VMware ESXi to build VMs as a development environment for our colleagues, providing VPN (WireGuard), WWW, Database, WebDAV services. Since I only have one IP, I used Nginx as a Reverse-Proxy in the front section to handle http traffic and set RouterOS firewall rules in the intranet to prevent colleagues ssh to forbidden vm.

Uvote Campus Issues Platform

2012 NTHU Hackathon Best Application Award, the concept of Uvote is similar to the iVoting of Taipei City Government, hoping to allow students to propose and sign up for inconveniences on campus.

Pomodoro

I have a habit of using a Pomodoro Timer to work, but since one of my favorite Pomodoro apps is no longer maintained, I wrote my own set using Electron.