

Juang, Yi-LIN

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WORK EXPERIENCE

- 2021.06 - Technical Manager, **SoundOn**, *Taiwan*
Headed a product team of 6. Planned and delegated tasks to members. Guided them thru technical challenges. Collaborated with external partners to deliver podcast services on other million-MAU products. Eliminated 40% of GCP spend by boosting resource efficiency, including 50% reduction in K8s nodes.
- 2020.08 - 2021.05 Fullstack Engineer
Launched the first two SoundOn paid services within a month - podcaster donation web service and live podcast with in-app-purchases. Integrated with TapPay to provide a seamless experience for users. Saved over 90% of network cost, or peta bytes of data per month, by deploying CDN for podcast static files. Renovated the entire CI/CD pipelines with Lerna, CircleCI, Makefile, GCP and Slack.
Tech: node.js, postgresql, k8s, bigquery, firebase, gcp, python, react.
- 2019.07 - 2020.06 Co-founder & CTO, **MilkJobs**, *Taiwan*
Milk Jobs was an instant messaging recruiting platform for SMEs. Developed website, **iOS & Android** Apps and backend. Onboarded hundreds of corporate users within weeks by introducing automated tools to accelerate sales process. Milk Jobs has 500 DAU, 5000+ users, 1000+ companies, 2000+ jobs.
Tech: react, react native, .net core, mysql, openapi, aws.
- 2018.03 - 2019.07 Software Engineer, **nuTonomy**, **Aptiv**, *Singapore*
Introduced a new format of autonomous vehicle logs into existing log processing service after company got acquired. Seamlessly migrated all other services to use the new format including two years of data. Guaranteed users from different sites across the US and Singapore to inspect any logs produced by any sites. Redesigned log processing pipeline by introducing AWS Kinesis and SQS to increase reliability and scalability (10 times traffic) and to decouple microservices.
Tech: python, .net core, mysql, aws.
- SUMMER 2016 Software Engineering Intern, **Google**, *Taiwan*
Chrome OS Video and Camera team. Developed low-level features between Chrome OS and Android system.

SKILLS

- LANGUAGES Chinese (native), English (fluent), German (intermediate)
- PROGRAMMING **Main** JS (TypeScript, Node, React), C# (.Net Core), Python (Flask), GCP, AWS, PostgreSQL, MySQL, K8s
Experienced React Native, Firebase, Git, C++, Redis, MongoDB, Linux Shell Scripting, Terraform

EDUCATION

- 2013 - 2017 National Taiwan University (NTU), *Taiwan*
Major in **Electrical Engineering**. Focus on **Computer Science**
CS GPA: 4.19/4.30. Courses: Network Science, Computer Networks, Machine Learning, Algorithms, Data Structure
- WINTER 2016/17 University of Hamburg (UHH), *Germany*
Exchange student in **Computer Science**
GPA: 3.30/4.00. Courses: Knowledge Processing, Robotics

EXPERIENCE

- SPRING 2019 Course Assistant, **Code In The Community**, **Saturday Kids**, *Singapore*
Volunteered in a coding program for kids from disadvantaged backgrounds. Step by step familiarized them with basic programming concepts, and revisited the joy of coding as they built playful programs in the end.

PUBLICATIONS

YY Liao, HW Hsu, **YL Juang**, TL Yu. On the investigation of population sizing of genetic algorithms using optimal mixing. Proceedings of the Genetic and Evolutionary Computation Conference (GECCO 2019). Jul. 2019.

INTERESTS

Indie Films, Backpacking, Cooking.