Wu Yu Wei

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BRIEF

A software developer interested in various programming domains. Core memeber of Tauri cross-platform framework. Proficient in Rust and C, but comfortable with most general programming languages.

EDUCATION

National Chiao Tung University   Taiwan
Bachelor in Computer Science   08/2012 – 07/2016

EXPERIENCE

CrabNebula Ltd.   Malta
Director of Engineering   10/2022 – Present

- Directing large open-source project with people across the globe. Developed and maintained most well-known web browser libraries. Researched the boundry of web engines and pushing them forward.

Semnet Ltd.   Ireland
(System Programming) Senior Software Engineer   01/2021 – 08/2022

- Focus on building foundation of all services across multiple platforms. Resolved all platform-specific issues while bringing each systems' capability for the team to build features on top of them.
- Researched toward possible goals and designed best solutions for the company to promote the products.

Chuehfu Technology Ltd.   Taiwan
(Distributed Storage Systems) Senior Software Engineer   08/2019 – 11/2020

- Developed the protocol of main system service. Built several essential components around the distributed system like async actor-based runtime, MPMC channel, and a fully hand-made protocol implementation to communicate with Cassandra / ScyllaDB.

BiiLabs Inc.   Taiwan
(Cloud Services) Software Engineer   01/2018 – 08/2019

- Improved computation bottleneck significantly with various approach like SSE/AVX SIMD acceleration and building embedded FPGA cluster with rabbitMQ.

PERSONAL PROJECTS

Tauri   https://github.com/tauri-apps/tauri
Core Member

A framework that builds smaller, faster, and more secure desktop and mobile applications with a web frontend.
- Compatibile with any front-end framework.
- Supports cross-platform compilation to bundle binaries for major desktop platforms.

Skills

- **Programming Language**: **multilingual** (not limited to any specific language), especially experienced in Rust C, comfortable with C++ Haskell C# Objective-C Python Swift Racket (in random order).
- **Rust**: familiar with Cargo and Bazel, understand procedural macros, Rust asynchronous runtimes, and unsafe usage, contributed to Rust compiler and its tools from time to time.
- **System Programming**: familiar with Linux programming interface and also other Unix-like OSes. Understand general architecture of the operating system and know how to write one from scratch.

Miscellaneous

- Languages: English - fluent, Chinese - native, Taiwanese - native.
- Member of `Tauri`, `rust-tw`, and more, contributed to `rust`, `async-std`, `veloren`, `tauri`, `riscv-opcodes`, `grcov`, `windows-rs`, `gtk-rs`, `winit`, and other projects.