

Wu Yu Wei

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BRIEF

A software developer interested in various programming domains. Core member 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 projects with people across the globe. Developed and maintained many well-known web browser libraries. Researched the boundary of web engines and pushed 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 system's capability for the team to build features on top of them.
- Researched possible goals and designed the 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 approaches like SSE/AVX SIMD acceleration and building embedded FPGA cluster with rabbitMQ.

PERSONAL PROJECTS

Verso <https://github.com/european-browser/verso>
Author

A web browser that plays old world blues to build new world hope.

- Everything is built from the ground up. This is not a chromium clone.
- Focus on modularity and security.
- Written in Rust with love and dreams.

Tauri
Core Member

<https://github.com/tauri-apps/tauri>

A framework that builds smaller, faster, and more secure desktop and mobile applications with a web frontend.

- Compatible 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, Japanese - N3.
- 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.