

# Weihang Lo

✉ email    🌐 weihanglo.tw    🐙 GitHub    💼 LinkedIn

## BRIEF

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A Rustacean that believes open source and open community would make the world a better place.

- Professional Rust developer 🌱.
- Maintainer of the [the Cargo project](#).
- Active member and organizer of [the Rust Taiwan community](#).
- Currently focus on build systems and tools development.

## EXPERIENCE

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### Amazon Web Services (AWS)

London, United Kingdom

*Software Engineer*

July 2022 – Present

- Maintain, design, and develop Cargo, the official Rust package manager and build system.
- A member of the Rust build experience team, which builds the internal Rust build system at AWS.
- Contributed to [awslabs/smithy-rs](#), code generators for generating services for Rust in Rust.

### SUSE

Remote, Taiwan

*Senior Software Engineer*

June 2021 – June 2022

- Contributed to [Harvester](#) GA release. Work on the control plane, VM integration, and disk management. Harvester is an open source HCI solution originated from SUSE and Rancher.

### Hahow

Taiwan

*Software Engineer*

March 2018 – March 2021

- Developed autoscaling application to tackle surging demands of online-learning during COVID-19.
- Administrated Kubernetes clusters, Helm releases, Consul datacenter, and GKE/GCE infrastructures with alert/monitoring systems and CI/CD processes.
- Upgraded 5-year-old MongoDB cluster with minimum downtime by robust migration plan and monitoring.
- Designed and developed the migration of legacy order system to decouple business logic from third-party payment service and data storage layer.

### Hyweb

Taiwan

*Software Engineer*

July 2016 – March 2018

- Given Outstanding Employee Award of 2017 (among 10 of 300 employees).
- Hosted front-end/Swift study groups and instructed participants from R&D department.
- Designed and developed software architecture of HyRead Ebook reader for both web and desktop platforms. HyRead is the largest B2Library Ebook service in Taiwan.
- Developed multi-threading download scheduler for [HyRead 3 iOS App](#), which won [2018 Taiwan Excellence Award](#).

## EDUCATION

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### National Taiwan University

Taiwan

BSc in Agriculture Forestry and Resource Conservation

August 2012 – Jun 2016

- Won Academic Excellence Award 3 times (for top 5% students in class each semester).
- Bachelor thesis: *Developed computer-simulated models to imitate a biodiversity assessment method based on human decision modeling.*
- Linux system administrator at Forest Mensuration Lab.
- Built social corpus with data mining and machine learning techs at Lab of Ontologies, Language Processing & e-Humanities.

## PROJECTS

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### The Rust Programming Language

<https://rust-lang.org>

Cargo Team Member

Have been hacking on Cargo since 2020. Became a member of the Cargo Team since 2022. Cargo is the official package manager and build tool for Rust. Some data from 2022-09 to 2023-06:

- Focus on improving the contributor experience.
- One of top three contributors of all time for Cargo.
- Triaged 420+ issue with informative responses and labels.
- Reviewed 200+ pull requests for rust-lang/cargo
- Submitted 120+ pull requests to rust-lang/cargo
- Mentored 11+ people from issue to pull request merged
- See more open source achievements here.

### Rust Taiwan Community

<https://github.com/rust-tw>

Organizer

- Translated “The Rust Programming Language” book to Traditional Chinese.
- Gave a talk about asynchronous programming in COSCUP 2019.
- Moderate Rust Taiwan Telegram and Facebook groups.

## SKILLS

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- **Professional:**
  - Open source software developement and management
  - Rust, Cargo, Go, Node.js
  - MongoDB, Redis, React, GCP, NGINX
  - Kubernetes development, OS storage management
- **Has Experiences in Production:**
  - Kotlin, TypeScript, Python, Swift/Objective-C
  - PostgreSQL, SQLAlchemy, Protocol Buffer
  - Consul, Serverless, AWS CloudFormation/Lambda
  - libvirt, kvm

## MISCELLANEOUS

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- Languages: English — working proficiency, Chinese — native, Taiwanese — native.
- Open source projects contributions: git2-rs, curl-rust, hyper, mdBook, redis-rs, and others.