



Antonio Yang  
yanganto@gmail.com  
yanganto@Github  
yanganto@LinkedIn  
+886 (987) 026-316

# Antonio Yang

An interdisciplinary person who not only loves new technologies but also has a self-learning personality.

## Working Experience

### 2024 Nov - 2025 May Contractor (Rust & Move) in SuiFoundation

- Community advocate
- Build web3 software solution for campaign

### 2022 Oct - 2024 Mar Developer (Rust & Nix) in Kuutamo Lab

- Develop and maintenance blockchain node distribution tools
- [near-staking-knd](#), [kld](#)

### 2021 Dec - 2022 Oct Developer (Rust) in TDsoftware GmbH

- Build docker image for substrate base blockchain
- Build NFT Market with substrate pallet base solution
- Build smoke test for blockchain and web service

### 2021 May - 2021 Dec Senior engineer (Rust) in Second State

- Develop and review WasmEdge Rust SDK
- Develop Ethereum WebAssembly Library
- Hold hackathon
- Develop Frontier base blockchain

### 2020 Jan - 2020 Oct Software engineer (Rust) in Itering

- Relay mechanism design
- Substrate based blockchain development
- Community advocate

### 2015 - 2020 Software engineer (Py & Js) in Trendmicro, Bigtera

- Web service fullstack experience
- Linux based system development

## Main Software Skills

### Rust Utilities Development

- Rust: [ignore message in 1.61](#)
- Crates: [WasmEdge](#), [toml-example](#), [test-with](#), [struct-patch](#), [s3handler](#)
- Scripting Language: [RustPython](#)
- Tools: [SuperLinter](#), [S3rs](#), [Common voice](#), [Gitui](#), [Himalaya](#), [serie](#)

### Rust-based Blockchain Development

- Frontier: [Modify block reward](#)
- Substrate: [Substrate](#), [NiftyMarket](#), [Cross chain](#), [Off chain worker](#)
- Near: [Maintenance feature](#)
- Ewasm: [SewUp](#)
- Lightning: [Refactor struct](#)

### Rust-based Contract Development

- Near: [atomic swap contract](#)
- Solana: [atomic swap contract](#)
- Cosmos: [atomic swap contract](#)

### Nix Development

- Distribution Tools: [kneard](#), [kld](#)

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## Other Software Skills

### Python Development (2015 - 2020)

- Open source contribution: [PyText2Speech](#), [flask-accept](#)
- Web Frameworks: Django, Flask
- Automation Bots: [Slack](#), [Line](#), [Twitter](#)

### System Development (2018 - Now)

- OS: NixOS, ArchLinux, Ubuntu
- Skills: [kexec](#), [systemd](#)
- CI/CD/Monitor Tools: Github Actions, Jenkins, Argo, Grafana
- Machine Communication: CAN, SPI

### Web Frontend Experience (2015 - 2020)

- Language: JS, TS, CSS, HTML
- Skills: [Vue.js](#), [React.js](#)
- Web: [PhishInsight](#), [RpcLab](#)
- Extensions: [klink](#)

### Machine Learning/Modeling Experience (2017 - 2018)

- Projects: [Network behavior detection](#), [Peptide Sidechain interactions](#)

## Education

### 2020 Aug Cryptography I in Coursera

Dan Boneh, Stanford University

### 2019 Aug Udemy Rust online certificate

Rust course, Rust programming recipes

### 2019 Mar CISSP training completion

CBK training seminar in Taiwan

### 2017 Jul Machine learning in Coursera

Andrew Ng, Stanford University with 98.00% grade

### 2016 ARM-based development in IT Training

Linux system development, driver, bootloader (cortex-A)

### 2005 - 2013 Chemistry BS & MS at National Taiwan University

Under prof. Richard P. Cheng (RPC), 6 publications

## References

- [NixOS contribution](#)
- [ArchLinux contribution](#)
- [Cryptography I certificate](#)
- [Machine learning certificate](#)
- [Rust course certificate](#)
- [Rust recipes certificate](#)
- [Trendmicro data competition slides](#)
- [Community talks](#)
- [Rust Taiwan meetup](#)
- [Blockchain Nanjing meetup](#)
- [Blockchain Beijing meetup](#)