# **Songlin Jiang**

✓ hollowman@opensuse.org • ♦ hollowman6.github.io • in songlin-jiang 

I find immense joy in pushing my boundaries by tackling complex issues that have the potential to positively impact the public. My fervor converges with enhancing computer systems, networks, databases, and their corresponding security aspects, which allows me to have impacts on computing for both the environment (greener while efficient) and people (faster while reliable). Additionally, I am a passionate free software developer. During my leisure time, I maintain several open-source projects and contribute to many others.

#### **Education**

Ph.D. in Computer Science and Technology, Aalto University

08/2024 - 07/2028

- Specialization: Machine Learning Systems & Databases
- o Funding: Efficient Deep Neural Network Computation with Resource-Constrained Devices (DNN ReCoDe)
- O Supervisor: Prof. Mario Di Francesco, Thesis Advisor: Prof. Bo Zhao

M.Sc. Eng. in SECCLO Erasmus Mundus, Tech. Uni. of Denmark (DTU) (11.36/12) 08/2023 – 06/2024

- Specialization: Reliable Distributed Systems
- o Thesis: Real-Time GPU Usage Alert Service for Pre-Exascale HPC Clusters
- O Supervisor: Prof. Bernd Dammann

M.Sc. (Tech.) (Honor) in SECCLO Erasmus Mundus, Aalto University (5/5)

08/2022 - 07/2024

- Specialization: Security and Cloud Computing
- o Thesis: Real-Time GPU Usage Alert Service for Pre-Exascale HPC Clusters
- Supervisor: Prof. Bo Zhao

No Degree (Exchange Abroad), University of Leeds (Pass, no grade due to COVID-19) 01/2020 - 06/2020

Host: School of Computer Science

B.Eng. in Computer Science & Technology (Honor), Lanzhou University (91/100) 09/2018 – 06/2022

- Specialization: Specialized Class for Fundamentals and Theories of Computer Science
- O Thesis: A Short-Term Wind Speed Multistep-Ahead Hybrid Prediction Model based on ICEEMDAN and Prophet-GRU-NN
- O Supervisor: Prof. Chao Ren

### **Experience**

**Al Prompt Engineer**, *Outlier* (create RLHF datasets for code generation)

01/2025

- o Crafting and answering questions related to computer science in order to help train Al models
- Evaluating and ranking code generated by AI models

**OSPP Summer**, *OceanBase* (add support for the IVFPQ vector index algorithm)

06/2024 - 10/2024

- O Enable more vector indexing capabilities for OceanBase a multi-cloud distributed SQL database
- OceanBase is developed by Ant Group (Alibaba), supports the peak traffic in Double 11 Shopping Festivals

Mentor for Google Summer of Code 2024, MIT CSAIL & OpenSUSE (simultaneously) 05/2024 - 09/2024

- O Mentor Chang Min Bark for Updating the Multi-select Plugin in Blockly and Cross-testing Other Plugins
- Mentor Jiamin Wang for Refactor Customize IBus with Modern Interface and Extensibility

 Implement the real-time GPU usage alert service for HPC clusters Deploy Large Language Models (LLM) inference service in HPC environment with vLLM Founder, Hollow Software (company registered and established in Finland, business ID: 3369577-7) 06/2023 - Present Freelance for full-stack computer programming tasks Developer Relations Engineer, Enclaive (confidential computing, with Prof. Sebastian Gajek) 06/2023 - 05/2024 Create technical documentation, tutorials and content O Manage channel to interact with the community and grow the customer base Coding Experience 2023 I & II, Igalia (Wolvic, ex. Mozilla Firefox Reality) 06/2023 - 12/2023 Develop VR Browser, refactor Android deprecated methods Address user issues. Implement UI, graphics, browser, and openXR related features  $\circ$  Contribute to the majority of the features available from v1.4.2 – v1.6 **HPC Developer Internship**, CSC - IT Center for Science 05/2023 - 08/2023 Develop the GPU monitoring service for HPC clusters (NVIDIA and AMD GPUs, including LUMI) Develop the Documentation GPT chatbot service using llamaIndex, LangChain and Redis/Qdrant O Make improvements to the HPC web operating interface project Open OnDemand using Ruby on Rails LUMI ranked 3rd around the world and 1st in Europe at HPC supercomputer TOP500 list by 06/2023 **CNCF LFX Mentorship**, *Kubescape* (Kubernetes security platform) 03/2023 - 05/2023O Add packaging support for various package managers in Linux, macOS, and Windows Improve release CI by adding ARM64 binaries building and testing support (QEMU and cross compiling) Add support for Kubescape auto version bumping in other Kubescape-related repositories Enable Kubescape GitHub action to support code review based on generated SARIF report A blog post by Cloud Native Computing Foundation (CNCF) that introduces my work Rhino-Bird Open-Source Training Program, Tencent (Kona JDK) 07/2022 - 09/2022 Investigate keypairs generation for SM2 with JDK, compare performance and security of algorithms Google Summer of Code, MIT CSAIL & Google (Blockly, web-based visual program editor) 05/2022 - 09/2022 o Create a plugin to allow selecting, dragging and manipulating multiple blocks at once for Google Blockly Resolve the issue that had troubled the Google Engineers for a decade (since the Blockly project started) o @mit-app-inventor/blockly-plugin-workspace-multiselect now has an average of 250+ downloads per week **Summer of Bitcoin**, *Cryptoanarchy Debian* (Bitcoin related Debian packages) 05/2022 - 08/2022 Add Continuous Integration (CI) by investigating systemd support inside Docker with GitHub Actions • The chance to get into this internship in 2022: 83/20317 RL Open Source Fest, Microsoft Research NYC (Vowpal Wabbit, ML library) 05/2022 - 08/2022 Add native CSV parser support for the Vowpal Wabbit project in C++, 100% Test & Code Coverage Manage to make 10x performance improvement and is comparable to speed of original VW text format **Open Source Internship**, *Institute of Software*, *CAS* (openEuler, Linux distribution) 01/2022 - 07/2022o First to obtain 150 intern credits. Help solve 6 issues, related technologies include D-Bus, Glib, building Cloud Native Container images, Rust programming, Chrome DevTools Protocol, test case, RPM packaging One of the achievements mdbook-pdf now has an average of 500+ downloads per week

01/2024 - 07/2024

**Junior Application Specialist**, *CSC - IT Center for Science* (master's thesis)

| Google Summer of Code, openSUSE (IBus, input method framework)  ○ Add customizing themes feature for IBus in desktop environments, improve IBus setti  | 06/2021 – 08/2021<br>ngs support in GNOME |  |
|--|---|--|
| O A blog post at openSUSE News that introduces my work   |   |  |
| O GNOME extension Customize IBus now has an average of 300+ downloads per week   |   |  |
| OSPP Summer, openEuler (Developed an ISO writer using QT and C++)  | 07/2021 - 09/2021                         |  |
| OSPP Summer, Emacs Application Framework (EAF, work with Yong Wang)  O Add new features and address all kinds of issues using Emacs Lisp, Python, Javas  | 07/2020 - 09/2020<br>Script, SQLite       |  |
| <ul> <li>A blog post (in Chinese) about my work posted by Yong Wang (ManateeLazyCat)</li> </ul>  |   |  |
| Superior of Code Aliberta (Add. Aliberta de la constitución de la cons | 1) 07/2020 00/2020                        |  |

**Summer of Code**, *Alibaba* (Arthas, Alibaba's most starred project on GitHub, Java diagnostic tool) 07/2020 – 08/2020

- O Create Chinese and English interactive online tutorials for Arthas using Katacoda and Vue.js
- Ocoding part highlight: Support directly searching Class Loader by name instead of Hash Code in Java
- O A Wechat post (in Chinese) about my work posted by hengyunabc

## Certificates & Honors & Awards

| Travel Funding for Google Blockly Summit   | 2024 – 2025 |
|--|-------------|
| Aalto University School of Science Dean's Incentive Scholarship  | 2023 – 2024 |
| SECCLO Erasmus Mundus Scholarship  | 2022 – 2024 |
| (26/767) Full-ride scholarship, includes full tuition fee waiver, covers all living costs and travel expenses  Delegate of OpenSUSE Project for Google Summer of Code 2024 Mentor Summit  Joint funded by Google and openSUSE Travel Support Program | 2024        |
| Travel Fund for The Linux Foundation Open Source Summit Europe 2024  | 2024        |
| To speak at the LFX Mentorship Showcase Certified Kubernetes Security Specialist (CKS), CNCF   | 2024        |
| Recommended Talk for Google Blockly Summit 2023  | 2024        |
| Black Hat Europe 2023 Student Scholarship  | 2023        |
| Cloud Captains in Linux Foundation Training (LiFT) Scholarship (China)   | 2022        |
| Huawei Cloud Certified Developer Associate in Internet of Things (HCCDA - IoT)   | 2022        |
| Certified Kubernetes Administrator (CKA), CNCF   | 2022        |
| Recognized Tencent Open Source Contributor Only 30+ were issued globally by the end of 2022  | 2022        |
| Intern of Excellence Award at <b>Tencent</b>   | 2022        |
| Only 2/4000+ received all the 3 kinds of intern awards Intern of Excellence & Star of Open Source Award in openEuler Open Source Internship  | 2022        |
| Only 3/150+ interns received both awards  China Ministry of Education & Huawei "Intelligent Base" Future Star Scholarship  | 2021        |
| Software Design Engineer, China Qualification of Computer and Software Professional  | 2021        |
| Academic Aces in <b>Linux Foundation</b> Training (LiFT) Scholarship (China)   | 2020        |

| CATTI Level 3 (English & Chinese) Translator   | 2020       |
|--|------------|
| Best Paper Award in Lanzhou University Summer Social Practice Report   | 2020       |
| Paper: Research on the Functionality and Optimization of Urban Communities in China During COVID-19 in 2020  Award in openEuler University Developer Competition   | 2020       |
| (24/547 Teams) I participated alone, ranked 1st in final defense   | 2019       |
| China Scholarship Council Outstanding Undergraduate International Exchange Scholarship (Only 1) Full covering of visa fees, traveling fees, and living costs, plus the host university exchange program tuition fee waiver |            |
| Google InnoCamp Hangzhou BoostMakers – TensorFlow Boost  | 2019       |
| Only 40+/2000+ got this certificate  Excellent Project Award in Lanzhou University Innovation and Entrepreneurship Plan  | 2019       |
| Only 122/1268 got this award  Nine Lanzhou University undergraduate scholarships  20   | )18 – 2022 |
| 3 x scholarshin for academic excellence, 5 x scholarshin for innovation and entrepreneurshin projects, 2020 scholarshin for IELT   | S test fee |

# **Open Source Repositories**

1.6k GitHub followers. 161.7k GitHub stars across all of the following selected repositories:

| 1.                         | deepspeedai/DeepSpeed   | <b>★</b> 38.7k   | Training Framework  | 2025                                 |
|----------------------------|---|--|---|--------------------------------------|
|                            | Rank $\#53$ among all contributors with 8 commits, 108 lines of additional additional among all contributors are $\#53$ among all contributors and $\#53$ among all contributors with 8 commits, 108 lines of additional among all contributors are $\#53$ and $\#53$ among all contributors are $\#53$ and $\#53$ are $\#53$ and $\#53$ and $\#53$ are $\#53$ are $\#53$ and $\#53$ are $\#53$ are $\#53$ and $\#53$ are $\#53$ and $\#53$ are $\#53$ are $\#53$ are $\#53$ and $\#53$ are $\#53$ are $\#53$ are $\#53$ and $\#53$ are $\#53$ are $\#53$ are $\#53$ are $\#53$ are $\#53$ and $\#53$ are $\#53$ are $\#53$ are $\#53$ are $\#53$ are $\#53$ and $\#53$ are $\#$  | tions and  | 39 lines of deletions   |                                      |
| 2.                         | zhuzilin/ring-flash-attention   | <b>★</b> 778   | Ring Attention  | 2025                                 |
|                            | Rank $\#3$ among all contributors with 4 commits, 124 lines of addit  | ions and 2   | 3 lines of deletions  |                                      |
| 3.                         | volcengine/verl   | <b>★</b> 9.1k  | RLHF Framework  | 2025                                 |
|                            | Rank $\#28$ among all contributors with 4 commits, 111 lines of additional and 111 lines of additional and 112 lin  | tions and  | 54 lines of deletions   |                                      |
| 4.                         | OpenRLHF/OpenRLHF   | <b>★</b> 7k  | RLHF Framework  | 2024                                 |
|                            | Rank $\#4$ among all contributors with 33 commits, 531 lines of additional additional commits.  | tions and  | 199 lines of deletions  |                                      |
| 5.                         | run-llama/llama_index   | <b>★</b> 42.2l   | RAG Framework   | 2023                                 |
|                            | Rank $\#85$ among all contributors with 6 commits, 427 lines of addi  | tions and  | 24 lines of deletions   |                                      |
| 6.                         | kubescape/kubescape   | <b>★</b> 10.8  | Kubernetes Security Platform  | 2023                                 |
|                            | Rank $\#8$ among all contributors with 40 commits, 745 lines of additional additional contributors.   | tions and  | 555 lines of deletions  |                                      |
| 7.                         | Igalia/wolvic   | ★885   | Immersive VR Browser  | 2023                                 |
| 8.                         | $VowpalWabbit/vowpal\_wabbit$   | <b>★</b> 8.6k  | Machine Learning System   | 2022                                 |
|                            | Rank $\#58$ among all contributors with 8 commits, 0 lines of addition  | ns and 0 I   | ines of deletions   |                                      |
| 9.                         | rust-headless-chrome/rust-headless-chrome   | <b>★</b> 2.6k  | Chrome DevTools Protocol in Rust  | 2022                                 |
|                            | Rank #12 among all contributors with 7 commits, 87 lines of addit   | ions and 1   | O lines of deletions  |                                      |
|                            | $\pi$ 12 among an contributors with 7 commits, 07 mics of additional states $\pi$ 12 among $\pi$ 12 among $\pi$ 12 among $\pi$ 13 among $\pi$ 13 among $\pi$ 14 among $\pi$ 15 among $\pi$ 15 among $\pi$ 16 a | ions and i   | Z lines of defections   |                                      |
| 10                         |   |  | Multi-Select UI Library   | 2022                                 |
| 10                         |   | <b>★</b> 753   | Multi-Select UI Library   | 2022                                 |
|                            | ThibaultJanBeyer/DragSelect   | <b>★753</b> ions and 2   | Multi-Select UI Library 3 lines of deletions  | 2022<br>2022                         |
|                            | $Thibault Jan Beyer/Drag Select \\ Rank ~\#7 ~among ~all ~contributors ~with ~3 ~commits, ~213 ~lines ~of ~addit$   | ★753 ions and 2 r ★144 ions and 2  | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions   | 2022                                 |
| 11                         | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde  | ★753 ions and 2 r ★144 ions and 2  | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian  | 2022                                 |
| 11                         | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit  | ★753 ions and 2. r ★144 ions and 2. ★181   | Multi-Select UI Library  3 lines of deletions  Bitcoin Packages for Debian  2 lines of deletions  MdBook backend for PDF Generatio  | 2022                                 |
| 11<br>12                   | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf  | ★753 ions and 2 r ★144 ions and 2 . ★181 ditions and   | Multi-Select UI Library  3 lines of deletions  Bitcoin Packages for Debian  2 lines of deletions  MdBook backend for PDF Generatio  | 2022                                 |
| 11<br>12                   | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional contributors with 3   | ★753 ions and 2 r ★144 ions and 2 ★181 ditions and   | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions MdBook backend for PDF Generatio 700 lines of deletions Blockly Multi-Select Plugin   | 2022<br>n 2022                       |
| 11<br>12<br>13             | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of add mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of additional contributors with 48 commits with 4  | ★753 ions and 2 r ★144 ions and 2 ★181 ditions and ★14   | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions MdBook backend for PDF Generatio 700 lines of deletions Blockly Multi-Select Plugin   | 2022<br>n 2022                       |
| 11<br>12<br>13             | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of add mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of additional contributors with 48 commits with 4  | ★753 ions and 2 r ★144 ions and 2 ★181 ditions and ★14 dditions an ★77                                 | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions MdBook backend for PDF Generatio 700 lines of deletions Blockly Multi-Select Plugin d 24679 lines of deletions Full Customization of IBus UI  | 2022<br>n 2022<br>2022               |
| 11<br>12<br>13<br>14       | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of add mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of adopenSUSE/Customize-IBus Rank #1 among all contributors with 368 commits, 53677 lines of a   | ★753 ions and 2 r ★144 ions and 2: ★181 ditions and ★14 dditions an ★77 additions a                    | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions MdBook backend for PDF Generatio 700 lines of deletions Blockly Multi-Select Plugin d 24679 lines of deletions Full Customization of IBus UI  | 2022<br>n 2022<br>2022               |
| 11<br>12<br>13<br>14       | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of add mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of adopenSUSE/Customize-IBus Rank #1 among all contributors with 368 commits, 53677 lines of a   | ★753 ions and 2: r ★144 ions and 2: ★181 ditions and ★14 dditions an ★77 additions a ★23               | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions MdBook backend for PDF Generatio 700 lines of deletions Blockly Multi-Select Plugin d 24679 lines of deletions Full Customization of IBus UI nd 40636 lines of deletions GitHub action for WeChat Message   | 2022<br>n 2022<br>2022<br>2021       |
| 11<br>12<br>13<br>14<br>15 | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of addit mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of acopenSUSE/Customize-IBus Rank #1 among all contributors with 368 commits, 53677 lines of a HollowMan6/Wechat-Timed-Message   | ★753 ions and 2: r ★144 ions and 2: ★181 ditions and ★14 dditions an ★77 additions a ★23 ditions and   | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions MdBook backend for PDF Generatio 700 lines of deletions Blockly Multi-Select Plugin d 24679 lines of deletions Full Customization of IBus UI nd 40636 lines of deletions GitHub action for WeChat Message   | 2022<br>n 2022<br>2022<br>2021       |
| 11<br>12<br>13<br>14<br>15 | ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of addit debian-cryptoanarchy/cryptoanarchy-deb-repo-builde Rank #3 among all contributors with 7 commits, 245 lines of addit HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of add mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of acopenSUSE/Customize-IBus Rank #1 among all contributors with 368 commits, 53677 lines of a HollowMan6/Wechat-Timed-Message Rank #1 among all contributors with 99 commits, 4139 lines of additional debiases.  | ★753 ions and 2 r ★144 ions and 2 ★181 ditions and ★14 dditions an ★77 additions a ★23 ditions and ★29 | Multi-Select UI Library 3 lines of deletions Bitcoin Packages for Debian 2 lines of deletions MdBook backend for PDF Generatio 700 lines of deletions Blockly Multi-Select Plugin d 24679 lines of deletions Full Customization of IBus UI nd 40636 lines of deletions GitHub action for WeChat Message 1718 lines of deletions IBus Themes CSS Hub | 2022<br>2022<br>2022<br>2021<br>2021 |

| Rank $\#1$ among all contributors with 104 commits, 8558 lines     | of additions and 4654 lines of deletions  |      |
|--|---|------|
| 18. alibaba/arthas   | ★36.3k Java Diagnostic Tool               | 2020 |
| Rank $\#2$ among all contributors with 80 commits, 25191 lines     | of additions and 1543 lines of deletions  |      |
| 19. emacs-eaf/emacs-application-framework                          | ★3.3k Emacs Application Framework         | 2020 |
| Rank $\#5$ among all contributors with 49 commits, 3482 lines of   | of additions and 1033 lines of deletions  |      |
| 20. HollowMan6/TinyML-ESP32  | ★170 TinyML Programs for ESP32            | 2020 |
| Rank $\#1$ among all contributors with $11$ commits, $78393$ lines | of additions and 19530 lines of deletions |      |
| 21. HollowMan6/SRMD-Pytorch  | ★25 Super Resolution Model                | 2020 |
| Rank #1 among all contributors with 23 commits, 21397 lines        | of additions and 1399 lines of deletions  |      |

#### **Invited Talks**

#### Content, Link to the talk, and Date:

| 1. Fully Automated Release and Code Review with CI/CD, Open Source Summit Europe      | 09/2024 |
|---|---------|
| 2. Virtual Network Systems among Containers, Aalto University Secure Systems Demo Day | 06/2023 |
| 3. Multi-Select Plugin, Google Blockly Summit   | 06/2023 |
| 4. Native CSV Parser, Microsoft Research NYC Seminar (RLOSFest)                       | 08/2022 |
| 5. Summary of my Open Source Internship, openEuler Excellent Intern Seminar           | 08/2022 |
| 6. Update Notification Program in Python, openEuler University Developer Competition  | 05/2021 |
| 7. Summary of my Contribution to Arthas, Alibaba Summer of Code Presentation          | 08/2020 |

#### **Professional Activities**

openSUSE Member 2021 – Present

Continued and substantial contributions to the openSUSE project. With voting rights and the ability to run for the openSUSE board

Reviewing....

- International Conference on Learning Representations (ICLR) 2025
- O International Joint Conference on Artificial Intelligence (IJCAI) 2025
- O International Joint Conference on Neural Networks (IJCNN) 2025
- Medical Imaging with Deep Learning (MIDL) 2025
- Student Research Workshop (SRW) at ACL 2025
- O Deployable Al Workshop (DAI) at AAAI Conference on Artificial Intelligence (AAAI) 2025
- O Multi-Agent AI in the Real World (MARW) Workshop at AAAI 2025
- O International Workshop on Al Governance (AIGOV) at AAAI 2025
- O Workshop on Deep Generative Model in Machine Learning: Theory, Principle and Efficacy at ICLR 2025
- Workshop on GenAl Watermarking at ICLR 2025
- O Workshop on Foundation Models in the Wild at ICLR 2025
- O Workshop XAI4Science at ICLR 2025
- O International Conference on Green Artificial Intelligence and Industrial Applications (GreenAl 2025)
- o Compression Workshop at Conference on Neural Information Processing Systems (NeurIPS) 2024
- Safe Generative Al Workshop at NeurIPS 2024
- O NeurIPS 2024 Workshop on Bayesian Decision-making and Uncertainty (BDU)
- Latinx in Al Workshop at NeurlPS 2024
- o ACM Special Interest Group on Management of Data (SIGMOD) 2023 Availability & Reproducibility

# **Research Projects**

| <ul> <li>Virtual Network Systems among Containers</li> <li>Prof. Tuomas Aura, Aalto University</li> </ul>                                       | 2023 |
|---|------|
| <ul> <li>Hybrid Model for Stock Price Prediction Based on Time Series and Neural Network</li> <li>Dr. Weiwei Liu, Lanzhou University</li> </ul> | 2021 |
| <ul> <li>Renaissance – Use AI to Repair Old Photos</li> <li>Prof. Chao Ren, Lanzhou University</li> </ul>                                       | 2020 |
| <ul> <li>Skin Cancer detection Method Based on CNN</li> <li>Dr. Xin Lv, Lanzhou University</li> </ul>   | 2020 |
| ○ Renaissance - AI + Dunhuang Art Prof. Qingguo Zhou, Lanzhou University  | 2019 |
| <ul> <li>Self-balancing Bike</li> <li>Prof. Hongxin Li, Lanzhou University</li> </ul>   | 2019 |

# **Software Copyrights**

| <ul> <li>Hollow Software for Smartly Memorizing Words</li> </ul>                             | CN 2020SR0839716 |
|--|------------------|
| <ul> <li>Hollow Software System for Sport Center Management</li> </ul>                       | CN 2020SR0839709 |
| <ul> <li>Hollow Software for Jack Compiler</li> </ul>  | CN 2020SR0839702 |
| <ul> <li>Hollow Software for Picture &amp; Video Information Hiding En-Decryption</li> </ul> | CN 2020SR0079950 |
| <ul> <li>Face Recognition Access Control System</li> </ul>                                   | CN 2019SR1388115 |

#### Publications [Google Scholar, 2 citations with h-index of 1]

# 2019.....

 Voting System Based on Wechat Pay Songlin Jiang Computer Engineering & Software 2019

#### **Skills**

Programming C++, Go, Rust, Python, C, Java, Kotlin, JavaScript, SQL, HTML, Bash, PHP, Ruby ...

Frameworks Kubernetes, TensorFlow, Docker, PyTorch, Pandas, GitHub Actions, Flutter, React, QT ...

DataBases PostgreSQL, MongoDB, Redis, InfluxDB, TimescaleDB, HBase, Hive, Hadoop, Spark ...

#### **Courses**

Some top-quality courses I've taken:

| ○ Program Analysis, DTU   | Fall 2023   |
|---|-------------|
| O Programming Parallel Computers, Aalto University                            | Spring 2023 |
| O Platform Security, Aalto University   | Spring 2023 |
| O Cloud Software and Systems, Aalto University                                | Fall 2022   |
| <ul> <li>Multimedia Services in Internet, Aalto University</li> </ul>         | Fall 2022   |
| O Designing and Building Scalable Web Applications, Aalto University          | Fall 2022   |
| <ul> <li>Network Security, Aalto University</li> </ul>                        | Fall 2022   |
| <ul> <li>Formal Languages and Finite Automata, University of Leeds</li> </ul> | Spring 2020 |