# **Songlin Jiang**

✓ hollowman@opensuse.org
 ✓ hollowman6.github.io
 ✓ in songlin-jiang
 ✓ HollowM186
 ✓ HollowMan6
 Last updated on April 25, 2025

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
- 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

- 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 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 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	
China Scholarship Council Outstanding Undergraduate International Exchange Scholarship	2019
(Only 1) Full covering of visa fees, traveling fees, and living costs, plus the host university exchange program tuition fee v	vaiver agreement
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	2018 – 2022
$3 \times \text{scholarship}$ for academic excellence, $5 \times \text{scholarship}$ for innovation and entrepreneurship projects, 2020 scholarship for	IELTS test fee

## **Open Source Repositories**

1.6k GitHub followers. 150k GitHub stars across all of the following selected repositories:

1.	deepspeedai/DeepSpeed	<b>★</b> 38.1k	Training Framework	2025
	Rank $\#65$ among all contributors with 6 commits, 29 lines of additional contributors and 10 commits and 10 commits are contributors.	ons and 4	lines of deletions	
2.	zhuzilin/ring-flash-attention	<b>★</b> 747	Ring Attention	2025
	Rank $\#3$ among all contributors with 4 commits, 124 lines of additional additional transfer of the second	ons and 23	3 lines of deletions	
3.	OpenRLHF/OpenRLHF	<b>★</b> 6.4k	RLHF Framework	2024
	Rank $\#4$ among all contributors with 31 commits, 510 lines of additional additional commits.	tions and 1	161 lines of deletions	
4.	run-llama/llama_index	<b>★</b> 41.2k	RAG Framework	2023
	Rank $\#86$ among all contributors with 6 commits, 427 lines of addit	tions and 2	24 lines of deletions	
5.	kubescape/kubescape	<b>★</b> 10.7k	Kubernetes Security Platform	2023
	Rank #8 among all contributors with 40 commits, 745 lines of addit	tions and 5	555 lines of deletions	
6.	Igalia/wolvic	<b>★</b> 875	Immersive VR Browser	2023
	Rank $\#7$ among all contributors with 144 commits, 9931 lines of ad	lditions and	d 4186 lines of deletions	
7.	$VowpalWabbit/vowpal\_wabbit$	<b>★</b> 8.6k	Machine Learning System	2022
	Rank $\#58$ among all contributors with 8 commits, 0 lines of additio	ns and 0 li	nes of deletions	
8.	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 additional additional among all contributors with 7 commits, 87 lines of additional among all contributors with 7 commits, 87 lines of additional among all contributors with 7 commits, 87 lines of additional among all contributors with 7 commits, 87 lines of additional among all contributors with 8 commits, 87 lines of additional among all contributors with 8 commits, 87 lines of additional among all contributors with 8 commits, 80 lines of additional among all contributors with 8 commits, 80 lines of additional among all contributors with 8 commits, 80 lines of additional among all contributors with 8 commits, 80 lines of additional among all contributors with 8 commits and 8 commits a	ons and 12	2 lines of deletions	
9.	ThibaultJanBeyer/DragSelect	<b>★</b> 748	Multi-Select UI Library	2022
9.	ThibaultJanBeyer/DragSelect Rank #7 among all contributors with 3 commits, 213 lines of additional additional actions are supported by the support of the su		,	2022
	, ,	ons and 23	3 lines of deletions	<ul><li>2022</li><li>2022</li></ul>
	Rank $\#7$ among all contributors with 3 commits, 213 lines of additional contributors and 3 commits, 213 lines of additional contributors.	ons and 23 r ★144	Bitcoin Packages for Debian	
10	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded	ons and 23 $r \pm 144$ ons and 22	Bitcoin Packages for Debian	2022
10	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional debian among all contributors with 7 commits, 245 lines of additional debian among all contributors with 7 commits, 245 lines of additional debian among all contributors with 3 commits, 213 lines of additional debian among all contributors with 3 commits, 213 lines of additional debian among all contributors with 3 commits, 213 lines of additional debian among all contributors with 3 commits, 213 lines of additional debian among all contributors with 3 commits, 213 lines of additional debian among all contributors with 3 commits, 213 lines of additional debian among all contributors with 3 commits, 245 lines of additional debian among all contributors with 3 commits, 245 lines of additional debian among all contributors with 3 commits, 245 lines of additional debian among all contributors with 3 commits, 245 lines of additional debian among all contributors with 3 commits, 245 lines of additional debian among all contributors with 3 commits, 245 lines of additional debian among all contributors with 3 commits and 3 commits a	ons and 23 r ★144 ons and 22 ★174	B lines of deletions Bitcoin Packages for Debian United States of deletions MdBook backend for PDF Generation	2022
10 11	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf	ons and 23 r ★144 ons and 22 ★174	B lines of deletions Bitcoin Packages for Debian United States of deletions MdBook backend for PDF Generation	2022
10 11	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional Rank #1 among all contributors with 57 commits, 3472 lines of additional Rank #1 among all contributors with 57 commits, 3472 lines of additional Rank #1 among all contributors with 57 commits, 3472 lines of additional Rank #1 among all contributors with 3 commits, 213 lines of additional Rank #1 among all contributors with 3 commits, 213 lines of additional Rank #1 among all contributors with 3 commits, 213 lines of additional Rank #1 among all contributors with 3 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 57 commits, 245 lines of additional Rank #1 among all contributors with 85 lines and 85 lines Rank #1 among all contributors with 85 lines Rank #1	ons and 23 $r \pm 144$ ons and 22 $\pm 174$ litions and $\pm 13$	B lines of deletions Bitcoin Packages for Debian In lines of deletions MdBook backend for PDF Generation Too lines of deletions Blockly Multi-Select Plugin	2022 n 2022
10 11 12	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of add mit-cml/workspace-multiselect	ons and 23 $r \pm 144$ ons and 22 $\pm 174$ litions and $\pm 13$ Iditions and	B lines of deletions Bitcoin Packages for Debian In lines of deletions MdBook backend for PDF Generation Too lines of deletions Blockly Multi-Select Plugin	2022 n 2022
10 11 12	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of additional debiased by the second	ons and 23 r ★144 ons and 22 ★174 litions and ★13 lditions and ★75	B lines of deletions  Bitcoin Packages for Debian  Illines of deletions  MdBook backend for PDF Generation  700 lines of deletions  Blockly Multi-Select Plugin  d 24679 lines of deletions  Full Customization of IBus UI	2022 n 2022 2022
10 11 12 13	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional 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 an among all contributors with 368 commi	ons and 23 $r \pm 144$ ons and 22 $\pm 174$ litions and $\pm 13$ lditions and $\pm 75$	B lines of deletions  Bitcoin Packages for Debian  Illines of deletions  MdBook backend for PDF Generation  700 lines of deletions  Blockly Multi-Select Plugin  d 24679 lines of deletions  Full Customization of IBus UI	2022 n 2022 2022
10 11 12 13	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional 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 an among all contributors with 368 commi	ons and 23 $r \pm 144$ ons and 22 $\pm 174$ litions and $\pm 13$ lditions and $\pm 75$ additions at	Blines of deletions Bitcoin Packages for Debian In lines of deletions MdBook backend for PDF Generation Too lines of deletions Blockly Multi-Select Plugin 10 24679 lines of deletions Full Customization of IBus UI 11 and 40636 lines of deletions GitHub action for WeChat Message	2022 n 2022 2022 2021
10 11 12 13 14	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional 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 HollowMan6/Wechat-Timed-Message	ons and 23 $r \pm 144$ ons and 22 $\pm 174$ litions and $\pm 13$ lditions and $\pm 75$ additions at	Blines of deletions Bitcoin Packages for Debian In lines of deletions MdBook backend for PDF Generation Too lines of deletions Blockly Multi-Select Plugin 10 24679 lines of deletions Full Customization of IBus UI 11 and 40636 lines of deletions GitHub action for WeChat Message	2022 n 2022 2022 2021
10 11 12 13 14	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of additional model. The property of the second se	ons and 23 r ★144 ons and 22 ★174 litions and ★13 lditions and ★75 dditions at ★24 litions and ★29	Bitcoin Packages for Debian Ditcoin Packages for Debian Ditcoin Packages for Debian Ditcoin Packages for Debian Debian Debian Ditcoin Packages Debian Ditcoin Packages Debian Ditcoin Packages Debian Ditcoin Packages Ditcoin	2022 2022 2022 2021 2021
10 11 12 13 14 15	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of additional openSUSE/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 openSUSE/IBus-Theme-Hub	ons and 23 r ★144 ons and 22 ★174 litions and ★13 lditions and ★75 ldditions and ★24 litions and ★29	Bitcoin Packages for Debian Ditcoin Packages for Debian Ditcoin Packages for Debian Ditcoin Packages for Debian Debian Debian Ditcoin Packages Debian Ditcoin Packages Debian Ditcoin Packages Debian Ditcoin Packages Ditcoin	2022 2022 2022 2021 2021
10 11 12 13 14 15	Rank #7 among all contributors with 3 commits, 213 lines of additional debian-cryptoanarchy/cryptoanarchy-deb-repo-builded Rank #3 among all contributors with 7 commits, 245 lines of additional HollowMan6/mdbook-pdf Rank #1 among all contributors with 57 commits, 3472 lines of additional mit-cml/workspace-multiselect Rank #1 among all contributors with 48 commits, 17639 lines of additional openSUSE/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 openSUSE/IBus-Theme-Hub Rank #1 among all contributors with 21 commits, 3190 lines of additional debiased and selection in the selection of additional debiased and selection of additional debiased a	ons and 23 r ★144 ons and 22 ★174 litions and ★13 lditions and ★75 ldditions and ★24 litions and ★29 litions and ★19	Blines of deletions Bitcoin Packages for Debian Illines of deletions MdBook backend for PDF Generation Molecular Multi-Select Plugin Molecular Molecular Multi-Select Plugin Molecular Molecular Multi-Select Plugin Molecular Molecular Multi-Select Plugin Molecular Molecular Molecular Multi-Select Plugin Molecular Mol	2022 2022 2022 2021 2021 2021

17. alibaba/arthas	★36.2k Java Diagnostic Tool	2020
Rank $\#2$ among all contributors with 80 commits, 25191 line	of additions and 1543 lines of deletions	
18. emacs-eaf/emacs-application-framework	★3.2k Emacs Application Framework	2020
Rank #5 among all contributors with 49 commits, 3482 lines	of additions and 1033 lines of deletions	
19. HollowMan6/TinyML-ESP32	★166 TinyML Programs for ESP32	2020
Rank $\#1$ among all contributors with 11 commits, 78393 line	of additions and 19530 lines of deletions	
20. HollowMan6/SRMD-Pytorch	★24 Super Resolution Model	2020
Rank #1 among all contributors with 23 commits 21307 line	s 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
- 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
- Workshop XAI4Science at ICLR 2025
- 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 NeurlPS 2024
- O NeurIPS 2024 Workshop on Bayesian Decision-making and Uncertainty (BDU)
- Latinx in Al Workshop at NeurIPS 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