

Songlin Jiang

Aalto University & DTU

SECCLO

(Security & Cloud Computing)

Erasmus Mundus Joint Master

Contact

Email: hollowman@opensuse.org

GitHub: HollowMan6 (1.5K Followers)

LinkedIn: linkedin.hollowman.ml

Website: hollowman.ml

Blog: blog.hollowman.ml

Phone: (Privacy, email me first)

Stack (non-exhaustive)

Python:	master
JavaScript:	master
GitHub Actions:	master
GitLab CI/CD:	master
Kubernetes:	master
Java:	proficient
C:	proficient
C++:	proficient
HTML:	proficient
SQL:	proficient
Go:	familiar
Rust:	familiar

Goal

I enjoy working with things that can benefit the company / society greatly, no matter the issue's complexity.

As a current master's student, I am interested in front-end, back-end, full-stack, software engineering, DevOps, testing, either on-site or remote, part-time or full-time. I am also very interested in possible PhD or research positions, please feel free to contact me!



Educational Background

2022.08—2024.07 Erasmus Mundus Joint Master

SECCLLO

M. Sc.



- Full-Ride scholarship, include tuition and living costs
- Double degree, Aalto University & Technical University of Denmark
- 2022 Linux Foundation Training (LiFT) Scholarship (China) Cloud Captains
- GPA: 5/5, major: Security & Cloud Computing, minor: Reliable Distributed Systems

2018.09—2022.07

Lanzhou University

Computer Science (Hons.)

B. Eng.



- 2019 & 2020 Lanzhou University Outstanding Student Scholarship
- 2020 Linux Foundation Training (LiFT) Scholarship (China) Academic Aces
- 2020 Spring exchange at the University of Leeds sponsored by China Scholarship Council Outstanding Undergraduate International Exchange Program
- 2021 Ministry of Education & Huawei "Intelligent Base" Future Star Scholarship of the Industry-Education Integration and Collaborative Education Project
- Grade Average: 91/100, WES GPA: 3.83/4
- Bachelor's Thesis: A Short-Term Wind Speed Multistep-Ahead Hybrid Prediction Model based on ICEEMDAN and Prophet-GRU-NN

Internship Experience

2023.05—2023.08 CSC - IT Center for Science

HPC LUMI Backend Service Intern (onsite)



- LUMI ranked 3rd around the world and 1st in Europe at HPC supercomputer TOP500 list by 2023
- Transfer GPU usage monitoring back-end to another time series database
- Rewrite metrics collection service that ingests the data from GPU nodes to the database

2023.03—2023.05 Kubescape

CNCF LFX Mentorship (remote)



- Homebrew, krew, RPM and DEB package repositories auto update with new Kubescape releases CI
- Stipend: \$6000

2022.07—2022.09 Kona JDK

Tencent Rhino-Bird Open-Source Training Program 2022 (remote)



- Generate Keypairs for SM2 by various algorithms in Java, compare performance and security
- Honors (2/4000+ for all): Tencent Open Source Contributor, Intern of Excellence & Scholarship
- Stipend: ¥10000, 1108 lines of code net contribution (Paper reading and investigation)

2022.05—2022.09 MIT App Inventor

Google Summer of Code 2022 (remote)



- MIT App Inventor is a project that run by MIT CSAIL: <https://www.csail.mit.edu/research/mit-app-inventor>
- Add feature to allow selecting, dragging and manipulating multiple blocks for Google Blockly
- Stipend: \$5400, 2037 lines of code net contribution (Resolved the issue existed for a decade)

2022.05—2022.08 Cryptoanarchy Debian

Summer of Bitcoin 2022 (remote)



- Add Continuous Integration (CI) support for the Cryptoanarchy Debian repository (Bitcoin)
- Chances to get into this internship in 2022: 83/20317

2022.05—2022.08 Microsoft Research NYC

RL Open Source Fest 2022 (remote)



- Add native CSV parser support for the Vowpal Wabbit project in C++, 100% Test & Code Coverage
- Stipend: \$10000, 1562 lines of code or documentation / test cases net contribution + design

2022.01—2022.07 Institute of Software, CAS openEuler Open Source Intern (remote)



- Stipend: ¥18000, Help solve 6 issues, technologies include D-Bus, Glib, building Cloud Native Container images, Rust programming, Chrome DevTools Protocol, test case, RPM packaging
- First to obtain 150 intern credits. Honors: Intern of Excellence & Star of Open Source

2021.06—2021.08 openSUSE Project

Google Summer of Code 2021 (remote)



- Add custom themes feature for IME framework IBus, improve IBus settings support in GNOME
- Stipend: \$2700, 12248 lines of code or documentation net contribution (became openSUSE Member)

2021.07—2021.09 openEuler

Open Source Promotion Plan - Summer 2021 (remote)



- Create an ISO Image Writer APP for Huawei's Linux distribution openEuler using QT in C++
- Stipend: ¥12000, 3783 lines of code net contribution

2020.07—2020.09 Emacs

Open Source Promotion Plan - Summer 2020 (remote)



- Open Source Internship at Emacs (China) under the fund of ISCAS, complete 15 compulsories + 3 voluntarily different level tasks using Emacs Lisp, Python, JavaScript, SQLite to add new features for Emacs Application Framework (EAF). Highlight: Browser Input Form Auto-fill
- Stipend: ¥12000, 2436 lines of code net contribution

2020.07—2020.08 Arthas

Alibaba Summer of Code 2020 (remote)



- Mainly write Chinese and English online tutorials for Arthas using Katacoda and Vue.js.
- Highlight: Support directly searching Class Loader by name instead of Hash Code using Java
- Stipend: ¥11920, 23648 lines of code or documentation net contribution

Certification & Qualities

- Software Design Engineer, China Qualification of Computer and Software Technology.
- CKA: Certified Kubernetes Administrator, issued by Cloud Native Computing Foundation (CNCF), free training and certification thanks to the Linux Foundation Training (LiFT) Scholarship (China) 2020 in Academic Aces category.
- Huawei Cloud Certified Developer Associate in Internet of Things (HCCDA - IoT), Training and certification of IoT devices, management, cloud technology and solutions, and the ability to conduct IoT business development practice.



Rich Programming experience: I have many personal projects on GitHub. Contributed to many open-source projects, such as TensorFlow, docker etc. for companies like Microsoft, Google.

Easy to work with: I'm an experienced open-source contributor with 1.5k followers and hundreds of Pull Requests on GitHub, collaborating with upstream maintainers frequently.

Consistent: I became an openSUSE member, due to my excellent development and continuous maintenance work even after the Google Summer of Code 2021 funding period ended.