

APPLYING FOR

ANY COMPANY

Software Engineering /  
Site Reliability Engineering  
/ Research Internship

Songlin Jiang

Aalto University  
SECCLO

(Security & Cloud Computing)  
Erasmus Mundus Joint Master

## Contact

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## Stack (non-exhaustive)

Python: master  
JavaScript: master  
Java: proficient  
C++: proficient  
HTML: proficient  
SQL: proficient  
Go: 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 would really appreciate an internship during summer or winter holidays, so that I can prepare for a full-time job / Ph.D. when I graduate.

## Educational Background

2022.08—2024.07

Erasmus Mundus JMD

SECCLLO

M. Sc.



Full-Ride scholarship, include tuition and living costs  
Double degree, first year at Aalto University



• 2022 Linux Foundation Training (LiFT) Scholarship (China) Cloud Captains  
• GPA: 5/5

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

2022.07—2022.09

Kona JDK

Tencent Rhino-Bird Open-Source Training Program 2022



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  
26 commits, 1108 lines of code net contribution (Paper reading and investigation)

2022.05—2022.09

MIT App Inventor

Google Summer of Code 2022



MIT App Inventor is a project that run by MIT CSAIL (Computer Science & Artificial Intelligence Laboratory): <https://www.csail.mit.edu/research/mit-app-inventor>



Add feature to allow selecting, dragging and manipulating multiple blocks for Google Blockly  
6 commits, 2037 lines of code net contribution (Resolved the issue existed for a decade)

2022.05—2022.08

Cryptoanarchy Debian

Summer of Bitcoin 2022



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



8 commits, 225 lines of code net contribution (mainly investigate & existing tests debugging)

2022.05—2022.08

Microsoft Research NYC

RL Open Source Fest 2022



Add native CSV parser support for the Vowpal Wabbit project in C++, 100% Test & Code Coverage  
6 commits, 1562 lines of code or documentation or test cases net contribution (also design)

2022.01—2022.07

Institute of Software, CAS

openEuler Open Source Intern



Help solve 6 issues, related 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



Add custom themes feature for IME framework IBus, improve IBus settings support in GNOME  
354 commits, 12248 lines of code or documentation net contribution (became openSUSE Member)

2021.07—2021.09

openEuler

Open Source Promotion Plan - Summer 2021



Create an ISO Image Writer APP for Huawei's Linux distribution openEuler using QT in C++  
11 commits, 3783 lines of code net contribution

2020.07—2020.09

Emacs

Open Source Promotion Plan - Summer 2020



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

2020.07—2020.08

Arthas

Alibaba Summer of Code 2020



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  
80 commits, 23648 lines of code or documentation net contribution

## Certification &amp; 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 Programing 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.

**Trustworthy:** If I luckily get selected to do internship, after internship, I'm willing to do my master's thesis at your team, and then get an official place to continue working.