

# PERSONAL RESUME

## Songlin Jiang

Aalto University & DTU

SECCLO

(Security & Cloud Computing)

Erasmus Mundus Joint Master

### Contact

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### 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 Backend Service Develop 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 (TimescaleDB)
  - Rewrite metrics collection service that ingests the data from GPU nodes into the database
- 2023.03—2023.05 Kubescape CNCF LFX Mentorship (remote)**
- Add packaging support for various package managers in Linux, macOS, and Windows
  - Improve release CI by adding ARM64 binaries building and testing support, and also support Kubescape auto version bumping for other Kubescape-related repositories
  - Enable Kubescape GitHub Actions to support code review based on generated SARIF report
  - Stipend: \$6000, created 7 repositories and packages, 34 pull requests, helped 20 issues
- 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)**
- Create plugin to allow selecting, dragging and manipulating multiple blocks for Google Blockly
  - Plugin demoed at 2023 Google Blockly Summit (MIT App Inventor is a project run by MIT CSAIL)
  - 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
  - Stipend: \$3000, 225 lines of code net contribution (mainly investigate & tests debugging)
- 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.
- GKA: 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.