PERSONAL RESUME

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!

PERSONAL RESUME

Educational Background

2022.08—2024.07 Erasmus Mundus Joint Master SECCLO 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 databas
- 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 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**
- 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.
- **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.