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: songlin-jiang

Website: hollowman6.github.io

Blog: hollowmansblog.wordpress.com

(Privacy, email me first) Phone:

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 familiar Rust:

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, backend, full-stack, software engineering, DevOps, testing, either on-site or remote, part-time or fulltime. I am also very interested in possible PhD or research positions, please feel free to contact me!

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PERSONAL RESUME

Educational Background

2022, 08-2024, 07 **SECCLO** Erasmus Mundus Joint Master M. Sc.

Full-Ride scholarship, include tuition and living costs

Double degree, Aalto University (GPA: 4.93/5) & Technical University of Denmark 2022 Linux Foundation Training (LiFT) Scholarship (China) Cloud Captains

Research Paper "Virtual Network Systems among Containers" demoed at Aalto University Secure Systems Demo Day 2023

Major: Security & Cloud Computing, Minor: Reliable Distributed Systems

2018. 09—2022. 07 Computer Science (Hons.) Lanzhou University 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, 06-2023, 12 Wolvic

Igalia Coding Experience * 2 (remote)

Android deprecated methods refactoring, UI and openXR related feature implementation

Wolvic is a VR browser, ex. Mozilla Firefox Reality

Stipend: 2*€7000, 48 commits, 2828 lines of code net contribution

HPC Service Develop Intern (onsite) Transfer GPU usage monitoring back-end to another time series database (TimescaleDB)

Rewrite metrics collection service for ingesting data from GPU nodes (both AMD and Nvidia)

Develop the Documentation GPT chatbot service using IlamaIndex, Langchain and Redis

Make improvements to the HPC web operating interface project Open OnDemand

LUMI ranked 3rd around the world and 1st in Europe at HPC supercomputer TOP500 list by 2023 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: \{\frac{10000}{4}} 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 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: \[\frac{1}{4}18000, help solve 6 issues, technologies include D-Bus, Glib, building Cloud Native

Container images, Rust programming, Chrome DevTools Protocol, test case, RPM packaging

8 First to obtain 150 intern credits. Honors: Intern of Excellence & Star of Open Source 2020. 07-2020. 09 Emacs Open Source Promotion Plan - Summer 2020 (remote)

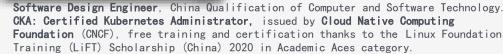
Open Source Internship at Emacs (China) under the fund of ISCAS, complete 15 compulsories + 3 voluntarily different level tasks using Emacs Lisp, Python, JavaScript, SQLite to add new features for Emacs Application Framework (EAF). Highlight: Browser Input Form Auto-fill Stipend: ¥12000, 2436 lines of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



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.

