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SUMMARY

· **Open Source Backend Experience** (**100+ pull requests** on **Flyte**) With **Union.ai**, **Spotify**, **Linkedin**, **Tesla**, **HBO**, and **Line**
· **Backend** engineer intern with **1 year** of software development experience at **Synology** and **ITRI**
· Research Intern with **Github 100+stars** (model implementation on paper with code) at **Academia Sinica**
· ICPC **2** times **Bronze Award Winner**

EXPERIENCE

Flyte (Workflow Orchestration Platform, Used by Linkedin, Spotify, and Intel)
Open Source Committer – Backend Infrastructure Team **|** Go, Python, Docker, Kubernetes

Remote
Jun 2023 – present

Agent Feature (long-running stateless gRPC service with scalability and language-agnostic)
Summary
· Create **27+ PRs** with **Union.ai**, **Spotify**, **Recogni**, and **HBO**, you can find contributions here
· Introduce Agent Feature with **Union.ai**, **Linkedin**, and **Line** to Taiwan's Companies at **Dcard** Office
Selected Contributions
· Agent Sync Plugin Interface with **81 conversations** with Union.ai and Spotify
· Agent Metadata Servicer with **36 conversations** with Union.ai and Spotify
· **ChatGPT** Agent with Union.ai, Spotify, and Recogni, demo in Community Sync and be thanked by **Union.ai CEO**
· **Databricks** Agent, **Airflow** Agent and **LangChain** Agent with Union.ai and used by HBO
· Minio Credential to Agent Server by **helm** and **kustomization**
· Tons of Base Agent Architecture Improvement and Bug Fixes
· Tons of Docs Improvement

FlyteInteractive Feature (1st interactive debug tool on workflow orchestrator in the world)
Summary
· Create **5+ PRs** with **Union.ai** and **Linkedin**, you can find contributions here
· Be mentioned in the **Linkedin Engineering Blog**
Selected Contributions
· Add Predefined URLs and Default Extensions
· Fixed download repeated extensions bug
· Fixed download code-server bug in FlyteIneractive Dockerfile

Kubeflow Training Operator Plugin (Kubernetes Operator backend plugin)
Summary
· Create 6+ PRs with **Union.ai**, **Linkedin** and **ShareChat**, including contributions from
the author of Pytorch Ignite and the maintainer of Pytorch Torchvision, you can find contributions here
Selected Contributions
· Add Evaluator in Kubeflow Tensorflow Traning Operator with Union.ai and Linkedin
· Refactor GetReplicaFunc, for better error handling and fixed bug with Union.ai
· Add Node Selector attribute to KF plugins with Union.ai, **Pytorch Ignite Author**, and **Pytorch Torchvision Maintainer**

Flyte Core Feature
Summary
· Create tons of PRs with Flyte Maintainers and Union.ai, you can find contributions in flyte, flytekit, flytectl and flytesnacks
Selected Contributions
· Sandbox Notifications Processor and Processor
· Raw Container Task Local Execution for Tesla and Axis
· Support Databricks Plugin with 2.1 version with Union.ai for HBO
· Remove cache in Dockerfile
· Replace storage with ephemeral storage in task resource
· Support GPU in sandbox
· Fixed CI errors and bugs
· Added Tests to improve code coverage

Flyte Applications
Selected Contributions
· FlyteChatGPT Summary Bot

Synology
Software Engineer Intern - Surveillance Station Team **|** C++, Python, SQL

Banqiao, Taiwan
Jan 2023 – Jun 2023

· Developed **10+ camera APIs** for the **NAS surveillance system** to enhance control features in C++
  · Designed and implemented an **algorithm** to enable **high-speed request** handling **(30+ requests per second)** using an authentication mechanism in the camera
· **Optimized** a function of a camera **automation integration tool**, improving its **speed to 1000+ faster**

Industrial Technology Research Institute
Software Engineer Intern – AI Application Team | Apache Kafka, Docker, PostgreSQL

Hsinchu, Taiwan
Jan 2022 – Jun 2022

· Developed a real-time streaming system to track pedestrian flow data
  · **Increased** data processing **speed 5x** by implementing an **Apache Kafka ETL pipeline**, handling over 300 traffic data points per minute
  · Developed a **backend system** to **provide APIs** for **analyzed data** and **deployed model** using Tensorflow, PostgreSQL, Docker, and RESTful API

National Academia Sinica   Taipei, Taiwan
Research Intern - Computer Vision Lab | PyTorch, Tensorflow, OpenCV   July 2022 – Sep 2022
· Acquired **100+ stars** on GitHub by reproducing a computer vision model using PyTorch
    · Contributed the model to Paper With Code
    · Updated the documentation of the open-source project to include the newly available model

AWARDS

ICPC Asia Regional Contest   Taiwan
Competitive programming participant
· Won 2 Bronze Medals in a coding competition with 300+ participants in both 2021 and 2022

EDUCATION

National Chung Cheng University   Sep 2020 - Jun 2024
Bachelor of Computer Science and Information Engineering   **GPA 3.94/4.3**

SKILLS

Languages: Python, C, C++, Go, HTML, CSS, JavaScript, SQL
Technologies: Git, Tensorflow, PyTorch, Keras, Flyte, Kafka, Docker, Kubernetes, GCP, AWS, Databricks