Jianshu Wang

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OBJECTIVE

Seeking **Software Engineer**, **Infrastructure Engineer**, **Site Reliability Engineer** or **Cybersecurity** internships for Summer 2024. **F-1** visa holder. Require future sponsorship.

EDUCATION

Washington University in St. Louis, Missouri, U.S. **Aug 2023 – May 2025**
M.S. in Cybersecurity Engineering. Cumulative GPA: 4.0

Qingdao University of Science and Technology, Qingdao, China **Sept 2018 – Jun 2023**
B.Eng. in Computer Science. Cumulative GPA: 3.35

EXPERIENCE

Software Engineer, WashU DevSTAC. *St. Louis, MO* **Oct 2023 – Present**

- Integration of cutting-edge technology to enhance the student and broader campus experience.
- Carried out testing against WashU ChatGPT using **Python** scripts and provided feedbacks.
- Worked with clients to develop **React** websites and mobile apps with Cloudflare Pages.

Co-Founder, Hanamizuki.ai. *China* **Sept 2022 – Aug 2023**

- Created the Launcher of Stable Diffusion WebUI in **C# WPF** for more than **2 million** non-professional users.
- Assembled a localization team for related projects and published it on GitHub in an automated fashion.
- Created a Danbooru-like Prompt Builder in **Vue.js** and **Element Plus** for Stable Diffusion users.

Associate Network Administrator **Apr 2021 – May 2023**
QUST Network and Information Office. *Qingdao, China*

- Provide technical support for teachers across the campus.
- Help the NIO office to organize network security related events.

Chief Technology Officer, **Jul 2018 – Aug 2022**
Winter Coalition EVE-Online Community. *China*

- Developed and maintained tools that serves **200k users**, including HRMS, Wordpress, Mumble voice, chatbot, MySQL, etc. Implemented **OpenID Connect** SSO across sites.
- Identified and fixed the bottleneck of a **Laravel Horizon Queue** in the HRMS site and **scaled by 100 times** its designed capacity without significant cost increase.
- Increase collaboration between teams by regularly writing **wiki documentations** and involving in **Jira** tickets.
- Provided technical support for **75k+ active players**, including Chinese and English speakers.

PROJECTS

Launcher of Stable Diffusion WebUI **Dec 2022 – Jul 2023**
through Hanamizuki.ai

A **C# WPF & Python** based launcher for the Stable Diffusion project designed to connect the non-professionals to latest AI technologies.

- Identified the pain points of new users in using the Stable Diffusion project and renovated user experience.
- Collected common errors and developed a diagnosis system with **105 issues** included for self-service.
- The project has **120k DAU** and is generating a advertising revenue of **4.5k USD per month**.

Danbooru-like Prompt Builder for Stable Diffusion   Oct 2022 – Dec 2022
through Hanamizuki.ai

A **Vue.js** based DIY tool for Stable Diffusion and NovelAI users. Support generating and analyzing complex prompts.
- Collected tags from various sources and used **YAML** for easy maintenance.
- Implemented a parser for converting complicated prompts into a structured format.
- Provided a user-friendly interface to edit the prompts and generate the final result.

SKILLS

- **Programming Languages:** Node.js (+ Typescript), Python, PHP, HTML5, C#, Golang, C/C++, Rust (+ embedded), x86 ASM.
- **Frameworks:** Familiar with Vue.js, Express.js, .NET Core, Laravel, etc. Basic knowledge with React.js.
- **Platform:** Debian, Docker, Docker-Compose, Proxmox VE.
- **Databases & Caches:** MySQL, PostgreSQL, MongoDB, Redis, Memcached, LevelDB, RethinkDB. ORM included.
- Intermediate knowledge in Reverse Engineering and Binary Exploitation with IDA and Ghidra.
- Experience with Jira, Confluence administration. Can handle basic level of product management.

AWARDS and ACCOLADES

2nd Prize, 2022 IEEE Software Testing Contest (College Students Category)   April 2022
1st Prize, National College Student Software Testing Competition (Individual) in China   November 2021