# Song Ouyang

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## EDUCATION

**Wuhan University (WHU)** — Wuhan, HuBei

*M.S., Artificial Intelligence* — *Sep. 2023 − Present*

- GPA (up to now): 3.97/4.0
- Research Interest: AI for Bioengineering, Geometric Deep Learning
- Advisor: Prof. Yong Luo and Prof. Kehua Su

**Northeastern University (NEU)** — Shenyang, Liaoning

*B.S. Software Engineering* — *Sep. 2019 − June 2023*

- Overall GPA: 4.23/5.0 (**Top 1%**)
- Research Interest: Multimodal Learning, NILM (Non-Intrusive Load Monitoring)
- Advisor: Prof. Zhuofu Deng

## EXPERIENCE

**Software Engineer (Intern)** — Feb. 2023 − Aug. 2023

*BioGeometry* — *Beijing*

- Based on the Flask development framework, using Slurm as a high-performance computing cluster control system, scheduling model algorithm inference, using Nginx and uWSGI as web development servers, using MySQL and Redis as databases, as well as Celery, OAuth 2.0, WebSocket, Third party services (GitHub, SMTP, SMS, WeChat, Alipay), etc.
- Independently developed a complete project backend, the platform has been officially launched and operated, and has participated in the 2023 Hangzhou Apsara Conference. Please refer to the official website: GeoBiologics.

**Algorithm Engineer (Intern)** — May 2022 − Aug. 2022

*HUAWEI Ascend* — *Shenyang, Liaoning*

- The transfer and optimization of the MAE model based on MindSpore resulted in performance similar to the original paper on datasets such as ImageNet.
- Conduct research and practice on cross modal retrieval (text retrieval of images) and other fields, and develop an "AI+security" cross modal information processing platform.

## PROJECTS

**AI Motivated New Energy Generation Power Prediction** | *Core Manager* — Oct. 2023 − Nov. 2023

- Project Description 1
- Project Description 2

**SEE: Service Platform for Enterprise Energy Management** | *Leader* — Dec. 2020 − Apr. 2022

- Project Description 1
- Project Description 2

## TECHNICAL SKILLS

**Languages**: X, X, X
**Frameworks**: X, X, X
**Developer Tools**: X, X, X
**Libraries**: X, X, X
**Applications**: X, X, X