

# JING GAO



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github.com/LZDXN

## Education

Washington University in St. Louis

B.S. in Computer Science, double major in Entrepreneurship

Aug. 2023 – Expected 2025

St. Louis, MO

## Technical Skills

**Programming Languages:** Python, Julia, Java, C, HTML/CSS, JavaScript, Shell

**Developer Tools:** VS Code, Git, Latex, Markdown, Google Cloud Platform, Amazon Web Service

**Technologies/Frameworks:** Linux, GitHub, ReactJS, VueJS, WordPress

**Speak Languages:** Chinese (Native), English (Proficient), Esperanto (Intermediate), Japanese (Beginner)

## Certification

Professional Certificate Program: Large Language Models

Databricks (edX) 2024

Large Language Models: Foundation Models from the Ground Up

Databricks (edX) 2024

Large Language Models: Application through Production

Databricks (edX) 2023

## Experience

CambioML

Jan. 2024 – Apr. 2024

Chief of Staff

San Jose, CA (Remote)

- Executed go-to-market strategies, collaborating with marketing and sales teams to increase product reach and customer engagement.
- Managed community relations, fostering a positive and interactive community environment.

Research Institute of Tsinghua, Pearl River Delta

Jun. 2022 – Aug. 2022

Research Assistant & Project Manager Assistant

Guangzhou, Guangdong (China)

- Constructed & evaluate machine models in severe environment.
- Sampled & analyzed data, then Specified & optimized mathematical models.

## Publication

Guo, J., & Gao, J. (2022). Comparison of Different Machine Learning Algorithms on Cell

Classification with scRNA-seq after Principal Component Analysis. 2022 7th International Conference on Intelligent Computing and Signal Processing (ICSP). doi.org/10.1109/icsp54964.2022.9778439 [Jingkai Guo and Jing Gao are both first authors]

## Research & Projects

WrapperAI (Advisor: Prof. Yevgeniy Vorobeychik) | Large Language Model, Adversarial AIDec. 2023 - PRESENT

- Developed a SaaS machine learning solution to optimize and secure the use of large language models (LLMs).
- Implemented dual-layer protection to reduce the risk of inadvertent data exposure.
- Designed a mechanism that ensures ethical interactions and provides a sensitive privacy filter for AI, prompting a safer and more responsible use of advanced AI for businesses.

Stockfish Chess Analysis (Mentor: Prof. Brian Rogers) | Julia, Python, API, Data AnalysisOct. 2023 - PRESENT

- Developed and optimized a large-scale data processing algorithm using Julia, handling pgn files of 200GB, significantly enhancing speed and accuracy.
- Revamped the original file scanning algorithm in Julia, achieving a 100x improvement in processing speed and efficiency.
- Designed and conducted experiments with game files in the evaluation engine, utilizing Julia and game theory concepts to analyze and improve strategic game outcomes.

PII classification (Mentor: Prof. Jiaxin Huang) | Natural Language Processing, Privacy Jan. 2024 – May. 2024

- Led a research project focusing on fine-tuning a small to medium-sized language model for automatic classification and tagging of personal information in texts, addressing privacy concerns in the healthcare sector.
- Developed a tool for medical practitioners to minimize the risk of inadvertently disclosing sensitive patient information, aligning with legal requirements for patient confidentiality and data protection.
- Employed advancements in transfer learning and natural language processing to achieve an optimal blend of performance and practicality in data management and protection strategies.

## Honors & Prizes

RSA Conference

Security Scholar Class of 2025

2024

Skandalaris Venture Competition (SVC)

Semi-final Qualification

2024

Hack WashU 2023

Best Use of Google Cloud

2023

HackDartmouth VIII: Into The Multiverse

Contrary Capital - Start Up Prize and 2 more 2023