



**Julia Goh** | [juliagsy@gmail.com](mailto:juliagsy@gmail.com) | References: [Unify](#) | Homepage: [Julia Goh](#)  
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Experienced Machine Learning (ML) Engineer (Data Science, Generative AI and Software/Full-Stack). MEng Computer Science graduate at University College London. Fluent in English, Chinese and Malay. Open to roles in ML/AI Engineering. Acquired Microsoft certifications of AI-900, AI-102 and DP-900.

## Education

**University College London (UCL)** | MEng Computer Science | September '20 – June '24

- **Grade:** [First Class Honours](#)
- [Football Match Prediction](#): Regression, Classification, Tree and Forest, and SVM with **Python**.
- Computer Graphics: Ray Tracing, Rasterization and Path Tracing with **C++**.
- Robotics: Forward and Inverse Kinematics, Path Planning and Robot Dynamics with **ROS**.

## Experiences

**Petronas** | Machine Learning Engineer (Intermediate) | September '24 – Present

- [PrAnCorr](#): ML. Built pipeline external corrosion depth & length prediction models of >90% accuracy.
- PrAnSpan: ML. Built subsea pipeline height & length prediction models of >70% accuracy.
- HIP MVP3: Computer Vision. Working person and safety compliance detection with vLLM.
- Worked with CI/CD integration and cloud deployment in production on Azure for all projects.
- **Tech Stack:** **Python, MLFlow, Docker, SQL, Azure, SonarCloud, DevOps, Git**

**Unify** | Machine Learning Engineer | June '22 – February '24

- [Model Hub](#): Full stack. Responsible in system building and API key authentication.
- [Console Application](#): Cloud. Infrastructure development and API gateway authorisation.
- [Ivy ML Models](#): Applied Lead. Led the team to expand ML models from scratch to 15+ within 4 months.
- [Ivy Transpiler](#): MLE. Responsible in v0 development and introduced the native compilation feature.
- **Tech Stack:** **Python, C++, CUDA, AMD RocM, Node.js, React.js, Next.js, TypeScript, Docker, GCP, AWS**

**Infosys** | Systems Engineer Intern | October '21 – April '22

- [QnA Chatbot for Clinical Tabular Data](#): ML systems engineering. Full stack development.
- Developed TAPAS RESTful endpoints with database and interface for lab report analysis.
- **Tech Stack:** **Python, TAPAS, Rasa NLU/NLP, Django, React.js, HTML, CSS, Git, Transformers**

## Research

**UCL** | Generative AI in Music | September '23 – April '24

- Diffusion based Music-conditioned Image Generative AI
- Transformer based Image-conditioned Music Generative AI
- **Tech Stack:** **Python, Pillow, NumPy, SciPy, PyTorch, Transformers, Diffusers, Matplotlib, Git**

**UCL** | Multi-Agent RL in Portfolio Management | January '23 – March '23

- Explored the effect of different RL algorithms in competitive vs. cooperative MARL settings.
- [Paper](#). **Tech Stack:** **Python, OpenAI Gym, Stable Baselines 3, Pandas, Git**