

Jerry (Yung-Chieh) Chan

☎ 858-914-6738 | ✉ 900116jerry@gmail.com | 🏠 jerrycyc.github.io | 🌐 jerry-chan-yc | 📷 JerryYC

EDUCATION

Stanford University <i>Master of Science in Computer Science</i>	August 2023 - June 2025 <i>Stanford, California</i>
University of California, San Diego <i>Bachelor of Science in Data Science</i> <ul style="list-style-type: none">Major GPA: 4.00 Cumulative GPA: 3.98<i>Summa Cum Laude</i>, Eleanor Roosevelt College Provost Scholar	September 2019 - June 2022 <i>San Diego, California</i>

WORK EXPERIENCE

Software Development Engineer Intern <i>Amazon Web Services, Edge ML</i> <ul style="list-style-type: none">Developed a serverless, end-to-end notification feature on the AWS computer vision platform, enabling real-time updates on asynchronous workflows	June 2022 - September 2022 <i>Seattle, Washington</i>
Undergraduate Researcher <i>Cognitive Science, University of California San Diego</i> <ul style="list-style-type: none">Researched the possibility of integrating search algorithms in vision transformer on reinforcement learning tasksDeveloped a distributed Monte Carlo Simulation framework with ViT agents to synthesize billions of training dataIncreased the training and evaluating throughput of a Go game agent by more than 200% with resource management of multithread processes and cross-server data query optimization	December 2021 - June 2022
Undergraduate Researcher <i>Computer Science and Engineering, University of California San Diego</i> <ul style="list-style-type: none">Devised an image segmentation pipeline to analyze microscopic images of skin biopsiesPresented at Medical Image Learning with Limited & Noisy Data workshop at MICCAI 2022, Singapore	January 2021 - June 2022
Machine Learning Intern <i>WinSanTor</i> <ul style="list-style-type: none">Successfully adapted and applied medical image analysis methods to real-world clinical data	June 2021 - June 2022 <i>San Diego, California</i>
Data Science Tutor <i>Halcioğlu Data Science Institute, University of California San Diego</i> <ul style="list-style-type: none">TA'd Python and Java data structures & algorithms courses, receiving 100% feedback from students	September 2020 - March 2022
Back-End Developer Intern <i>Foxconn</i> <ul style="list-style-type: none">Implemented and tested a database backup strategy with MySQL, Redis, and MongoDB for a messaging app	July 2020 - August 2020 <i>Taipei, Taiwan</i>
Data Scientist Intern <i>Cmoney - FinTech company based in Taiwan</i> <ul style="list-style-type: none">Developed a machine-learning based electronic receipts categorization algorithm with 98% accuracy	June 2019 - August 2019 <i>Taipei, Taiwan</i>

PUBLICATIONS

- Xu, Y., Hansen, N., Wang, Z., **Chan, YC.**, Su, H., Tu, Z. (2022). On the Feasibility of Cross-Task Transfer with Model-Based Reinforcement Learning. ICLR 2023, NeurIPS 2022 DeepRL Workshop, and CoRL 2022 Workshop PRL
- Chan, YC.**, Zhang, J., Frizzi, K., Calcutt, N., Cottrell, G. (2022). Automated Skin Biopsy Analysis with Limited Data. Medical Image Learning with Limited and Noisy Data. MILLanD 2022

OTHER EXPERIENCE

Data Science Chair <i>Chinese Computer Community, University of California San Diego</i> <ul style="list-style-type: none">Initiated and managed data science & machine learning projectsOrganized deep learning workshops and led teams of machine learning enthusiasts in Kaggle competitions	January 2020 - June 2022
Data Science Capstone Project - Explainable AI, Causal Inference <i>University of California San Diego</i> <ul style="list-style-type: none">Researched ML model interpretation techniques and fairness analysis methods for AI systems	September 2021 - March 2022

SKILLS

Languages: Python, Java, SQL, C++, Bash, JavaScript, HTML and CSS, R
Frameworks/Developing Tools: React, Jupyter, Docker, Kubernetes, AWS, Git/Github, Azure
Libraries: PyTorch, TensorFlow, Scikit-learn, Keras, Dask, Spark, Pandas, Seaborn, Altair, BeautifulSoup, AIX360