LYNDON LAM

Email: llam@cpp.edu ⋄ Website: https://llam11.github.io/ ⋄ Github: https://github.com/llam11

EDUCATION

California State Polytechnic University, Pomona Fall 2023
Bachelor of Science, Computer Engineering GPA: 3.86

RESEARCH PUBLICATIONS

* indicates co-authors

Lyndon Lam*, Scott Sussex*, Yao Liu, Finale Doshi-Velez, Emma Brunskill, George Konidaris, Omer Gottesman. [Title Omitted for Blind Review]. Under Submission

Rachel Ma, **Lyndon Lam**, Benjamin A. Spiegel, Aditya Ganeshan, Roma Patel, Ben Abbatematteo, David Paulius, Stefanie Tellex, George Konidaris. Skill Generalization With Verbs. *International Conference for Intelligent Robots and Systems (IROS)*. 2023.

RESEARCH EXPERIENCE

Intelligent Robot Lab, Brown University September 2022 - Present
Undergraduate Research Assistant *Remote*

- Worked with Amazon applied scientist Omer Gottesman, Prof. George Konidaris, Prof. Finale Doshi-Velez, Prof. Emma Brunskill, and a Ph.D. student; one co-first author paper in submission

- Conducted research in sample efficient of off-policy evaluation methods for reinforcement learning

International Research Experience, University of Houston & Instituto Nacional de Astrofísica, Óptica y Electrónica June 2023 - August 2023
Summer Research Assistant *In-person*

- Worked with Prof. Thamar Solorio and Prof. Hugo J. Escalante in Pubela, Mexico

- Developed approaches to interpreting and explaining a multimodal transformer model on the task of detecting harmful and questionable content for children

Research Experience, Brown University June 2022 - September 2022
Summer Research Assistant *In-person*

- Worked with Prof. Stefanie Tellex, Prof. George Konidaris, and various Ph.D. students; published a paper at IROS

- Developed a framework to transfer robotic manipulation skills onto objects not seen during training by using natural language as a guide

RELATED EXPERIENCE

Senior Design Project on Style Transfer, Cal Poly Pomona   August 2022 - May 2023
Project Lead   *In-person*

- Worked with Prof. Anas Salah Eddin; led a team of three other undergraduates who had little-to-no background in machine learning

- Built and trained our own StyleGAN model to perform style transfer on videos; automated data collection process

- Made the style transferring of our StyleGAN model more efficient and versatile by utilizing the Contrastive Language–Image Pre-training (CLIP) embeddings to guide the style transferring, allowing for quick transferring to any style

Data Science Projects, Cal Poly Pomona   August 2020 - May 2022
Undergraduate Assistant   *In-person*

- Worked with Prof. Sonya Zhang and various other undergraduates

- Implemented and benchmarked various machine learning models on predicting Airbnb rentals' prices in California

- Performed topic extraction, classification, and sentiment analysis with word embeddings techniques on 95,000 Yelp reviews of restaurants to obtain valuable information for restaurant owners to make more data-driven business decisions

- Awarded fellowship from *Cal Poly Pomona Philanthropic Foundation* in honoring of work

AWARDS

Fellowship of $2000   May 2022
Cal Poly Pomona Philanthropic Foundation
Generally given to students in recognition for their service and commitment

SKILLS

Relevant Coursework:	Machine Learning, Robotics, Control Systems, Mobile Autonomous Robots, Operating System, Computer Architecture, Clustering & Mixture Modeling, Statistics & Probability, Linear Algebra, Multivariable Calculus, Differential Equations
Programming Languages:	Python, R, C/C++, C#, Bash, MATLAB
Software & Tools:	Robot Operating System (ROS), Pytorch, JAX, Tensorflow, LaTeX, HTML, CSS