

# LYNDON LAM

Email: llam@cpp.edu ◇ Website: <https://llam11.github.io/> ◇ Github: <https://github.com/llam11>

## EDUCATION

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California State Polytechnic University, Pomona

Fall 2023

Bachelor of Science, Computer Engineering

GPA: 3.86

## RESEARCH PUBLICATIONS

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\* 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 Abbatem-  
atteo, David Paulius, Stefanie Tellex, George Konidaris. Skill Generalization With Verbs. *Inter-  
national Conference for Intelligent Robots and Systems (IROS)*. 2023.

## RESEARCH EXPERIENCE

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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

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**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; presented at 2022 College of Business Administration Student Research, Scholarship & Creative Activities (RSCA) Showcase
- 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; presented at 2021 CPP RSCA Conference
- Awarded fellowship from *Cal Poly Pomona Philanthropic Foundation* in honoring of work

## AWARDS

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

## SKILLS

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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