

# Adam H. Kan

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## EXPERIENCE

### **Pathak Research Group, Carnegie Mellon University - SURA** *Robotics Research Intern*

February 2025 - Present

- Modifying and training VLAs including PI<sub>0</sub> and RDT to adapt to new embodiments including robot hands
- Implementing entire robot learning pipelines, from data collection to multimodal model training to real-world inference
- Building robot policies that can complete mobile and dextrous manipulation tasks autonomously with minimal demonstrations
- Developing commercially viable training techniques for behavior cloning models in the most diverse and unstructured environments
- Integrating classical whole-body controllers with learned manipulation policies to generate smooth robot trajectories

### **Interactive Perception and Robot Learning Lab, Stanford University (Bohg Lab) - Computer Vision Research Intern**

September 2022 - August 2023

- Coauthored [TidyBot](#) research paper (Cited by 400+), presented at the International Conference on Robotics and Automation in June 2023
- Developed modifications to ViLD object detection model with Wordnet and other semantic hierarchies to establish baseline performance for classification of previously unseen objects
- Researched and tested existing object detection models to find the models with the highest accuracy for detecting household objects
- Led formal computer vision research project for application in household robots
- Developed novel machine learning model utilizing an object detection and CNN pipeline to complete the task of unfolding cloths
- Achieved an 80% success rate improvement on the leading alternative method (developed by researchers at Columbia University)

### **Alexander Hamilton Society at Carnegie Mellon University -** *Director of Events*

June 2025 - Present

- Planning and organizing on-campus expert speaker events by identifying and recruiting politicians and policymakers with careers in international relations to speak at Carnegie Mellon University
- Working with campus-wide administration to promote international relations dialog on campus
- Coordinating travel and accompanying speakers during on-campus visits
- Hosting esteemed guests including U.S. Ambassador to Ukraine William Taylor and Dr. Matthew Kroenig of the Atlantic Council

## EDUCATION

### **Carnegie Mellon University** **School of Computer Science,** *B.S. in Computer Science, Minor* *in International Relations* *Class of 2028*

GPA: 3.92

Relevant Coursework: Principles of Imperative Computation, Principles of Functional Programming, Introduction to Computer Systems, Probability and Computing

#### **LEADERSHIP:**

- Director of Events, Alexander Hamilton Society
- Teacher, TechNights

### **The Nueva School, San Mateo, CA - Class of 2024**

#### **LEADERSHIP:**

- Co-Captain, Varsity Parliamentary Debate Team
- Co-Founder and Co-Captain, Sailing Team

## AWARDS

- **Parliamentary Debate National Champion**, won the Tournament of Champions for the 2022-23 school year
- **CMU SCS Dean's List High Honors All Semesters**
- **USACO (USA Coding Olympiad) Silver**, USACO competitor from 2020-2022

## SOFTWARE FLUENCY

- **Java** (5,000+ lines)
- **Python** (20,000+)
  - PyTorch
  - JAX
  - ROS
- **JavaScript** (1,000+)
  - React
- **C++** (2,000+)
- **C** (1,000+)