

MAXIMUS PACE

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EDUCATION

Cornell University Master of Science in Computer Science	<i>August, 2024 - May, 2026</i> GPA: 4.12
Cornell University Bachelor of Arts in Computer Science, Mathematics. <i>Summa cum laude</i>	<i>September, 2020 - May, 2024</i> GPA: 4.10

RESEARCH AND ACADEMIC EXPERIENCE

Robotics Researcher <i>Professors Sanjiban Choudhury & Wei-Chiu Ma</i>	<i>March, 2023 - Present</i>
<ul style="list-style-type: none">Published 5 papers (1 first author) at top robotics and ML conferences, including CoRL and ICRADeveloped an end-to-end imitation learning framework to filter human-specific motion artifacts, enabling cross-embodiment Diffusion Policies trained on human videos to outperform baselines by 16%Built a real-to-sim pipeline using Gaussian Splatting to generate photorealistic digital twins for training RL policies from a single human video in teacher-student learning, improving data efficiency by 10xDesigned a long-horizon one-shot behavior cloning algorithm using optimal transport to align mismatched robot and human demonstrations, boosting performance by 52% over prior approachesCreated a OpenAI gym simulator to plan geometrically constrained actions to enable a mobile manipulator to learn user intent from few-shot demonstrationsTrained robot skills for a learning-based modular multi-robot coordination system, integrated with LLM-based task planning for human-robot collaborationFine-tuning Vision-Language-Action (VLA) models on large-scale, bimanual ego-centric human video datasets (Ego4D/Epic-Kitchens) via selective incorporation of motion artifacts	
Controls Software Engineer Cornell Mars Rover	<i>November, 2020 - June, 2024</i>
<ul style="list-style-type: none">Deployed segmentation models on hardware to identify keyboards and keys, enabling autonomous typingTrained classification models for rock images, improving real-world accuracy by 40%Teleoperated rover in University Rover Challenge 2023, debugging control failures in live competition	
Head TA for Mathematical Foundations of Computing	<i>August, 2021 - Present</i>
<ul style="list-style-type: none">Taught sections of 30+ students (4.94/5.0 rating) and held office hours assisting 30+ students weeklyCreated homework and exam rubrics and led grading sessions of 14 TAs to grade 430 submissions	

PROFESSIONAL EXPERIENCE

Founder and CTO Synopsis Inc.	<i>August, 2022 - May, 2024</i>
<ul style="list-style-type: none">Founded a data-driven startup helping executives save 20+ hours/month on investor relationsSolely architected end-to-end data pipelines and full-stack infrastructure (React, Node.js, AWS); built secure auth and automated workflows, enabling rapid iteration based on user feedbackConducted 60+ user interviews to iterate over key features for MVP, resulting in a 15-company waitlistAccepted to selective eLab accelerator, pitched to 300+ investors, and raised \$15k in non-dilutive funding	
Software Engineer Intern Guidewire Software	<i>May, 2022 - August, 2022</i>
<ul style="list-style-type: none">Built asset management tools to reveal abandoned curation assets, saving \$1200/month in AWS costsExpanded data curation API in Kotlin to expose data relationships, enabling accessibility for 30 developers	

SKILLS & INTERESTS

Languages: Python (Expert), C++ (Familiar), Java, OCaml, JavaScript
Libraries & Tools: PyTorch, Isaac Sim, ROS, OpenCV, Diffusion Models, Behavior Cloning, Gaussian Splatting
Interests: Golf, NYT crossword puzzles, entrepreneurship, travel, poker, skiing, gaming