

**SANGMIN JUNG**  
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INTERESTS	Generative Modeling, Vision Language Action, Affordances, Video Generation, World Models	
EDUCATION	<b>Arizona State University</b> <i>Ph.D., Computer Science</i> (GPA 4.0/4.0) Advisors: Professor Pavan Turaga, Professor Yezhou Yang Relevant Coursework: Machine Vision and Pattern Recognition, Statistical Machine Learning, Knowledge Representation and Reasoning, Natural Language Processing, Data Mining	Aug 2023 -
	<b>Kyungpook National University</b> <i>B.S., Mobile Engineering</i> (GPA 3.85/4.3) Relevant Coursework: C, JAVA Programming, Probability and Random Processes, Data Structures, Algorithms, Software Design, Operating Systems, Computer Graphics, Parallel Programming	Mar 2013 - Feb 2019
PROFESSIONAL EXPERIENCE	<b>Bosch Research</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Working as a Foundation Models based Autonomous Driving intern, leading a project on video generation model combined with RL to improve intelligent autonomous driving.</li></ul>	Sep 2025 - Remote (Sunnyvale), CA
	<b>Samsung Electronics, Mobile Division</b> <i>Software Engineer</i> <ul style="list-style-type: none"><li>Conceptualized, designed, and implemented a new automatic call issue detecting solution using Mel-frequency cepstral analysis and ML-based human perception estimation models</li><li>Deployed the solution to Samsung's global posts including Vietnam and Brazil and reduced the cost of using 3rd-party proprietary voice quality tools to 50%</li><li>Participated in projects such as Samsung Devices Over-the-Air configuration web server and autonomous GPS handling system.</li></ul>	Mar 2018 - June 2023 Gumi, Korea
PUBLICATION	<p>[1] Maitreya Patel*, <b>Sangmin Jung*</b>, Chitta Baral, and Yezhou Yang. <math>\lambda</math>-ECLIPSE: Multi-Concept Personalized Text-to-Image Diffusion Models by Leveraging CLIP Latent Space. <i>Transactions on Machine Learning and Research</i> (TMLR) 2024</p> <p>[2] <b>Sangmin Jung</b>, Utkarsh Nath, Yezhou Yang, Giulia Pedrielli, Joydeep Biswas, Amy Zhang, Hassan Ghasemzadeh, Pavan Turaga. Guiding Diffusion with Deep Geometric Moments: Balancing Fidelity and Variation. <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition 3rd Workshop on Generative Models for Computer Vision</i> 2025</p> <p>[3] <b>TBR</b>. Latent Memory Modeling for Interactive Video Generation.</p>	
AWARDS AND HONORS	<ul style="list-style-type: none"><li>ASU Graduate College Travel Award 2025 (\$250)</li><li>GSG Graduate Support Award 2025 (\$300)</li><li>NSF Expand AI Award 2402650 2024 - Present</li><li>Samsung-KNU Undergraduate Fellowship (Full tuition scholarship awarded for academic years 2013, 2014, 2017, and 2018)</li></ul>	

TEACHING EXPERIENCE	<b>Teaching Assistant — CSE360: Intro to Software Engineering</b> Fall 2023, Spring 2024	
	- Supported instruction for 300+ students across two semesters; coordinated with graders and UG-TAs with Prof. Lynn Robert Carter.	
	<b>Teaching Assistant — Advanced Software Programming</b> Sep 2017 – Dec 2017	
	- Led sessions on C/C++, data structures, and algorithms; mentored 7 students with biweekly meetings, assignment design, and Q&A support.	
	<b>Student Mentor — Artificial Intelligence</b> Dec 2017	
	- Delivered lecture on image processing using Deep Learning for graduate students; led hands-on AI tutorials for undergraduates using TensorFlow.	
SERVICES	Conference Reviewer	
	<ul style="list-style-type: none"> <li>• ECCV 2024, WACV 2025, ICCV 2025</li> </ul>	
SKILLS	<b>Programming Languages</b>	C, C++, C#, Java, Python
	<b>Machine Learning</b>	Jupyter, NumPy, Pandas, PyTorch, Scikit-learn, TensorFlow
	<b>Others</b>	Android, AWS, Bash, Docker, Git, LaTeX
	<b>Foreign Languages</b>	English, Korean (Fluent), Spanish (Novice)