

CONTACT	Georgia Institute of Technology Sacramento, California, United States	E-mail: <a href="mailto:ethan.villalovoz@gatech.edu">ethan.villalovoz@gatech.edu</a> Links: <a href="#">Website</a> , <a href="#">LinkedIn</a> , <a href="#">Google Scholar</a>
EDUCATION	<b>Georgia Institute of Technology</b> <i>M.S. in Computer Science</i> , Computational Perception and Robotics	<b>Jan 2026 - Dec 2027</b> GPA: 4.0/4.0
	<b>Washington State University</b> <i>B.S. in Computer Science</i> , Minor in Mathematics Senior Design Project: <a href="#">Retrieval-Augmented Generation Using Knowledge Graph and Vector Search</a>	<b>Aug 2021 - May 2025</b> GPA: 3.94/4.0
EXPERIENCE	<b>Microsoft</b> , Redmond, Washington, United States <i>Software Engineer Intern</i> , Advised by TBA Commerce and Ecosystems.	<b>May 2026 - Jul 2026</b>
	<b>Carnegie Mellon University</b> , Pittsburgh, Pennsylvania, United States <i>Robotics Institute Summer Scholar</i> , Advised by <a href="#">Henny Admoni</a> Developed a hierarchical reward learning framework with Bayesian inference and interactive clarification dialogues, enhancing robot adaptability and task accuracy in human-robot collaboration research.	<b>Jun 2024 - Aug 2024</b>
	<b>Google</b> , Sunnyvale, California, United States <i>Software Engineering Intern (STEP)</i> , Advised by <a href="#">Arun Tej Chennadi</a> , <a href="#">Paul Valdez</a> Developed scalable C++ and SQL analytics pipelines and interactive dashboards that optimized internal data workflows, reduced runtime by 66%, and enhanced real-time decision-making across engineering teams.	<b>May 2023 - Aug 2023</b>
	<b>Oregon State University</b> , Corvallis, Oregon, United States <i>NSF REU Fellow</i> , Advised by <a href="#">Heather Knight</a> Designed and implemented geometric motion primitives and interactive deployment tools enabling expressive multi-robot behaviors for human-robot interaction research.	<b>Jun 2022 - Aug 2022</b>
TEACHING	<b>CPT_S 315: Introduction to Data Mining</b> <i>Undergraduate Teaching Assistant</i> , Washington State University	Spring 2025
	<b>CPT_S 350: Design and Analysis of Algorithms</b> <i>Undergraduate Teaching Assistant</i> , Washington State University	Fall 2024
	<b>CPT_S 355: Programming Language Design</b> <i>Undergraduate Teaching Assistant</i> , Washington State University	Fall 2023
	<b>CPT_S 121: Program Design and Development C/C++</b> <i>Undergraduate Teaching Assistant</i> , Washington State University	Fall 2022
OUTREACH	<b>WSU MARC &amp; MIRA Program</b> (Invited Talk) Invited to present to undergraduate researchers about the graduate school application process. Shared personal experiences and actionable advice for pursuing research opportunities.	2025
	<b>WSU VCEA</b> (College Ambassador) Represented and connected Voiland College with industry, alumni, and prospective students, sharing unique experiences and perspectives to promote the college's mission and transformative impact.	2022 - 2024
	<b>CMU RISS RoboLaunch</b> (Website Coordinator) An initiative to explore the world of robotics through a series of talks and interactive workshops. Responsible for updating the website to ensure accessibility and provide up-to-date information.	2024

AWARDS & HONORS	<b>CS Research Mentorship Program Scholar, Google Research</b>	2023
	<b>Generation Google Scholarship</b>	2023
	<b>NIH MARC Scholar - National Institutes of Health (T34)</b>	2023 - 2025
CONFERENCE PUBLICATIONS	[C1] <b>Social Triangles and Aggressive Lines: Multi-Robot Formations Impact Navigation and Approach.</b> A. Bacula, <u>E. Villalovoz</u> , D. Flynn, A. Mehta, H. Knight. <i>International Conference on Intelligent Robots and Systems (IROS)</i> , 2023.	