Nathaniel Steele Dennler

dennler@usc.edu 💠 ndennler.github.io 💠 San Francisco, CA

RESEARCH INTERESTS	My research develops robot learning algorithms that enable robots to efficiently adapt to users' needs. My works generate technical insights for embodied AI by mathematically formalizing natural user behaviors. I ground my work in user evaluations with physical robots that achieve fundamental assistive goals as defined by these robots' intended users.		
EDUCATION	Ph.D., Computer Science.2019-University of Southern California (USC)GPANSF GRFP Fellow, Annenberg FellowDissertation: Physical and Social Adaptation for Assistive Robotic Interactions,Advisors: Maja Matarić and Stefanos Nikolaidis		
	M.S., Computer Science . University of Southern California (USC) NSF GRFP Fellow, Annenberg Fellow Advisors: Prof. Maja Matarić and Prof. Stefanos Nikolaidis	2019–2022 GPA: 3.95	
	B.S., Computer Science; B.Eng., Robotics Engineering. Worcester Polytechnic Institute (WPI) Major Qualifying Project: Mobile Manipulation through Tactile Se Interactive Qualifying Project: Self-Determination Theory on Stud Advisors: Prof. Charles Rich, Prof. Loris Fichera, and Prof. Cagda	dent Performance,	
PROFESSIONAL	ML Engineer II, Uber. Supervisor: H. Safavi Consumer Incentives Intern, Uber. Supervisor: E. Chen Consumer Incentives Intern, Uber. Supervisor: J. Chen Navigation Systems Intern, iRobot. Supervisor: K. Morris Visiting Researcher, MIT Lincoln Labs. Advisor: W.R. Michalson Visiting Researcher, USC Interaction Lab. Advisor: K. Swift-Spo Research Assistant, WPI ASSISTments Lab. Advisor: K. Ostrow	ong May 2018-Aug 2018	
TEACHING	Teaching Assistant , CSCI 566–Deep Learning and Its Applications. University of California. Developed homework assignments, advised project teams, hosted officiand guest lectured in Spring 2022.		
Teaching Assistant , CSCI 445– <i>Robotics</i> . University of Southern managed lab sections, performed lectures, and hosted office hour			
	Student Teaching Assistant , RBE 3002–Unified Robotics IV: Mapping and State Estima- tion. Worcester Polytechnic Institute. Managed lab sections, hosted office hours, and ad- vised project groups in Fall 2018 and Spring 2019.		
	Student Teaching Assistant , RBE 3001–Unified Robotics III: Kinematics and Dynamics. Worcester Polytechnic Institute. Managed lab sections, hosted office hours, designed lab assignment infrastructure, and advised project groups in Fall 2018 and Spring 2019.		
RESEARCH SUPERVISION	 USC Undergraduate Students Joyce Ng, low-cost mobile platform for low-cost social robots. Allen Tran, robot embodiment perception. Dora Meiwes, active learning for post-stroke assessment. Joseph Liu, lab tour guide developer. Daniel Zeng, personalized signaling representation learning. David Delgado, signaling mechanical interface development. 	Mar 2024-Present Oct 2023-Present Jan 2024-Jun 2024 Jun 2023-October 2023 Sep 2023-May 2024 Sep 2023-Present	

	 Erica De Guzman, stroke therapy game development. Ashley Perez, stroke therapy game development. Claudia Chiu, user input modeling for reward learning. Brenna Chen, models for robot perception. Jessica Hadiwijoyo, model for personalizing robot voices Changxiao Ruan, web interface for embodiment perception. Hanzo Huang, interface for animating facial expressions. Yunhao Zhao, dynamic motion primitives for robot expressions. Kangmin Tan, interactive text-to-speech for social robot faces. 	Jan 2022–Jun 2023 Jan 2022–Jun 2022 Feb 2021–Jun 2022 Feb 2021–Jun 2021 Oct 2019–May 2022 Oct 2019–May 2020 Oct 2019–May 2019 Oct 2019–Dec 2019 Oct 2019–Dec 2019
	USC Viterbi Summer Undergraduate Research Experience (SURE Yenessa Maldonado, designing robots in virtual reality.	:) May 2021–Aug 2021
	External NSF REU Summer Fellows Anthony Song , developing a mobile social robot platform. Melina Daniilidis , adapting difficulty for rehabilitation tasks. Lia Vargas , visualizing user expectations of robots.	May 2024–Aug 2024 Jun 2023–Aug 2023 May 2021–Aug 2021
	Research Distributed Mentor Program Undergraduates (DREU) P Sophia Hager, controllable text generation.	Program May 2021-Aug 2021
	Summer High School Intensive in Next-Generation Engineering Evan Torrence, robot-assisted interlingual communication. Lina Cryer, creating co-speech gestures for tabletop robots.	(SHINE) Jun 2024–Jul 2024 Jun 2024–Jul 2024
HONORS AND AWARDS	2025 IEEE/ACM Conference on Human-Robot Interaction Best Technical Paper Finalist + Sustainability Recognition For the paper "Contrastive Learning from Exploratory Actions: Levera Natural Interactions for Preference Elicitation".	Mar 2025 aging
	2025 IEEE/ACM Conference on Human-Robot Interaction Best Systems Paper Finalist + Sustainability Recognition For the paper "Soft and Compliant Contact-rich Hair Manipulation ar	Mar 2025 nd Care".
	2025 IEEE/ACM Conference on Human-Robot Interaction HRI Pioneers (Honorable Mention) Awarded to the top 30% of HRI Pioneers applicants.	Dec 2024
	2024 ACM User Interface and Software Technology Doctoral Symposium Awardee One of eight awardees to attend a mentorship session with establish academic and industry researchers in the UIST community.	Oct 2024
	2024 IEEE/ACM Conference on Human-Robot Interaction Best Late-Breaking Poster For the poster "MOE-Hair: Toward Soft and Compliant Contact-rich F Manipulation and Care".	Mar 2024 Iair
	2023 ACM Conference on Fairness, Accountability, and Transparency Best Paper Award For the paper "Queer in AI: A case study in Community-Led Participa	
	USC Robotics and Autonomous Systems Center USC George Bekey Service Award For outsanding service to the robotics community at USC.	May 2023
	Worcester Polytechnic Institute WPI Salisbury Award One of two computer scientists from the WPI class of 2019 to be red for their academic achievements through project-based work.	Apr 2019 cognized

WPI Program of the Year Award

For excellence in planning and executing "Merit Badge University", a program that aligned with WPI's core values of citizenship, empowerment, and support.

National Science Foundation

Graduate Research Fellow Competitive three-year fellowship to support graduate studies in the United States.

University of Southern California

USC Annenberg Fellow Competitive one-year fellowship to support graduate studies at USC.

CO-AUTHOREDNSF/NIH Smart Health and Biomedical Research in the Era of Artificial IntelligenceAWARDED GRANTSand Advanced Data Science (\$1,200,000 total)Aug 2024-Aug 2028

"Personalized AI-Driven Models for Supporting User Engagement and Adherence in Health Interventions: Validation in Cognitive Behavioral Therapy for Anxiety,"

PI: Maja Matarić, Co-PIs: Stefanos Nikolaidis, Bruna Martins-Klein.

Motivated problem through the psychological framework of self-determination theory, provided background on self-determination theory, described mathematical formulation for learning user preferences, designed all user studies (co-design sessions and randomized controlled trials), and identified outcome instruments and measurements.

Amazon Research Award (\$100,000 total)Sep 2022-Aug 2023"Learning User Preferences for In-Home Robots Through In Situ Augmented Reality,"PI: Maja Matarić, Co-PI: Stefanos Nikolaidis.Provided motivation for grant, described mathematical formulation for learning user preferences, designed user studies, and created timeline and budget.

PUBLICATIONS Journal Publications

[J4] IJSR '25Nathaniel Dennler, Mina Kian, Stefanos Nikolaidis, and Maja J. Matarić. "Designing Robot
Identity: The Role of Voice, Clothing, and Task on Robot Gender Perception". International
Journal of Social Robotics (2025). DOI: 10.1007/s12369-025-01209-6

(IF: 3.8)

[J3] *RA-M* '24 Raj Korpan, Ruchira Ray, Andrea Sipos, **Nathan Dennler**, Max Parks, Maria E. Cabrera, and Roberto Martín-Martín. "Launching Queer in Robotics." *IEEE Robotics & Automation Magazine* 31, no. 2 (2024): 144-146. DOI: 10.1109/MRA.2024.3388277

(IF: 5.7)

- [J2] Sci. Rob. '23 Nathaniel Dennler, Amelia Cain, Erica De Guzman, Claudia Chiu, Carolee J. Winstein, Stefanos Nikolaidis, and Maja J. Matarić. "A metric for characterizing the arm nonuse workspace in poststroke individuals using a robot arm." Science Robotics 8, no. 84 (2023): eadf7723. DOI: 10.1126/scirobotics.adf7723
 - (IF: 25.0)
- [J1] *T-HRI '23* Nathaniel Dennler, Changxiao Ruan, Jessica Hadiwijoyo, Brenna Chen, Stefanos Nikolaidis, and Maja Matarić. "Design metaphors for understanding user expectations of socially interactive robot embodiments." *ACM Transactions on Human-Robot Interaction* 12, no. 2 (2023): 1-41. DOI: 10.1145/3550489

(IF: 5.1)

Conference Publications

[C12] ICORR '25 Nathaniel Dennler, Zhonghao Shi, Uksang Yoo, Stefanos Nikolaidis, Maja Matarić. "Modeling Personalized Difficulty of Rehabilitation Exercises Using Causal Trees.", IEEE/RAS International Conference on Rehabilitation Robotics (ICORR), Chicago, IL, May 12–16, 2025.

Apr 2019

Feb 2019

- [C11] *HRI* '25 Nathaniel Dennler, Stefanos Nikolaidis, Maja Matarić. "Contrastive Learning from Exploratory Actions: Leveraging Natural Interactions for Preference Elicitation.", *ACM/IEEE Conference on Human-Robot Interaction (HRI)*, Melbourne, Australia, March 4–6, 2025. (Best Technical Paper Finalist) (Sustainability Recognition) (25% Acceptance Rate)
- [C10] *HRI* '25 Uksang Yoo, **Nathaniel Dennler**, Eliot Xing, Stefanos Nikolaidis, Maja Matarić, Jeffrey Ichnowski, Jean Oh. "Soft and Compliant Contact-rich Hair Manipulation and Care.", *ACM/IEEE Conference on Human-Robot Interaction (HRI)*, Melbourne, Australia, March 4–6, 2025. (Best Systems Paper Finalist) (Sustainability Recognition) (25% Acceptance Rate)
- [C9] ISRR '24 Nathaniel Dennler, Zhonghao Shi, Stefanos Nikolaidis, Maja Matarić. "User Experience in Preference-Based Optimization of Reward Functions for Assistive Robots.", International Symposium on Robotics Research (ISRR), Long Beach, CA, Dec 8-12, 2024.
- [C8] ISER '23 Nathaniel Dennler, David Delgado, Daniel Zeng, Stefanos Nikolaidis, Maja Matarić. "The RoSiD Tool: Empowering Users to Design Multimodal Signals for Human-Robot Collaboration", 18th International Symposium on Experimental Robotics (ISER), Chiang Mai, Thailand, Nov 26-30, 2023. DOI: 10.1007/978-3-031-63596-0_1
- [C7] RO-MAN '23 Ilaria Torre, Erik Lagerstedt, Nathaniel Dennler, Katie Seaborn, Iolanda Leite, Eva Szekely. "Can a gender-ambiguous voice reduce gender stereotypes in human-robot interactions?", 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), Busan, Korea, Aug 28-30, 2023. DOI (shortened): 10/gs4tw7
- [C6] AIES '23 Nathaniel Dennler, Anaelia Ovalle, Ashwin Singh, Luca Soldaini, Arjun Subramonian, Huy Tu, William Agnew, Avijit Ghosh, Kyra Yee, Irene Font Peradejordi, Zeerak Talat, Mayra Russo, Jess De Jesus De Pinho Pinhal. "Bound by the Bounty: Collaboratively Shaping Evaluation Processes for Queer AI Harms", AAAI/ACM Conference on AI, Ethics, and Society (AIES), Montreal, Canada, Aug 8-10, 2023. DOI: 10.1145/3600211.3604682

(35% Acceptance Rate)

[C5] GECCO '23 Bryon Tjanaka, Matthew C. Fontaine, David H. Lee, Yulun Zhang, Nivedit Reddy Balam, Nathaniel Dennler, Sujay S. Garlanka, Nikitas Dimitri Klapsis, and Stefanos Nikolaidis. "pyribs: A bare-bones python library for quality diversity optimization." ACM Genetic and Evolutionary Computation Conference (GECCO), Lisbon, Portugal, Jul 15-19, 2023. DOI: 10.1145/3583131.3590374

(35% Acceptance Rate)

[C4] FAccT '23 Anaelia Ovalle, Arjun Subramonian, Ashwin Singh, Claas Voelcker, Danica J. Sutherland, Davide Locatelli, Eva Breznik, Filip Klubicka, Hang Yuan, Hetvi J, Huan Zhang, Jaidev Shriram, Kruno Lehman, Luca Soldaini, Maarten Sap, Marc Peter Deisenroth, Maria Leonor Pacheco, Maria Ryskina, Martin Mundt, Milind Agarwal, Nyx Mclean, Pan Xu, A Pranav, Raj Korpan, Ruchira Ray, Sarah Mathew, Sarthak Arora, St John, Tanvi Anand, Vishakha Agrawal, William Agnew, Yanan Long, Zijie J. Wang, Zeerak Talat, Avijit Ghosh, Nathaniel Dennler, Michael Noseworthy, Sharvani Jha, Emi Baylor, Aditya Joshi, Natalia Y. Bilenko, Andrew Mcnamara, Raphael Gontijo-Lopes, Alex Markham, Evyn Dong, Jackie Kay, Manu Saraswat, Nikhil Vytla, Luke Stark. "Queer In AI: A Case Study in Community-Led Participatory AI", ACM Conference on Fairness, Accountability, and Transparency (FAccT), Chicago, IL, Jun 12-15, 2023. DOI: 10.1145/3593013.3594134

(Best Paper) (25% Acceptance Rate)

[C3] HRI '23 Zhonghao Shi, Han Chen, Anna-Maria Velentza, Siqi Liu, Nathaniel Dennler, Allison O'Connell, and Maja Mataric. "Evaluating and Personalizing User-Perceived Quality of Text-to-Speech Voices for Delivering Mindfulness Meditation with Different Physical Embodiments", ACM/IEEE International Conference on Human-Robot Interaction (HRI), Stockholm, Sweden, Mar 13-16, 2023. DOI: 10.1145/3568162.3576987

(24% Acceptance Rate)

[C2] *IROS '21* Nathaniel Dennler, Eura Shin, Maja Matarić, and Stefanos Nikolaidis. "Design and Evaluation of a Hair Combing System Using a General-Purpose Robotic Arm", *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, presented virtually, Sep 28-30, 2021. DOI: 10.1109/IROS51168.2021.9636768

(45% Acceptance Rate)

[C1] RO-MAN '21 Nathaniel Dennler, Catherine Yunis, Jonathan Realmuto, Terence Sanger, Stefanos Nikolaidis, and Maja Matarić. "Personalizing User Engagement Dynamics in a Non-Verbal Communication Game for Cerebral Palsy", 30th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), presented virtually, Aug 8-12, 2021. DOI: 10.1109/RO-MAN50785.2021.9515466

Peer-Reviewed Short Papers

[S3] *HRI* '24 Nathaniel Dennler, Stefanos Nikolaidis, Maja Matarić. "Using Exploratory Search to Learn Representations for Human Preferences", *Companion of the ACM/IEEE International Conference on Human-Robot Interaction (HRI LBR)*, Boulder, CO, March 11-15, 2024. DOI: 10.1145/3610978.3640745

(3.38 Impact Score)

[S2] HRI '24Uksang Yoo, Nathaniel Dennler, Maja Matarić, Stefanos Nikolaidis, Jean Oh, Jeffrey Ichnowski. "MOE-Hair: Toward Soft and Compliant Contact-rich Hair Manipulation and Care",
Companion of the ACM/IEEE International Conference on Human-Robot Interaction (HRI
LBR), Boulder, CO, March 11-15, 2024. DOI: 10.1145/3610978.3640682

(Best LBR Poster) (3.38 Impact Score)

[S1] *HRI* '24 Melina Daniilidis, **Nathaniel Dennler**, Maja Matarić, Stefanos Nikolaidis. "Adapting Task Difficulty in a Cup-Stacking Rehabilitative Task", *Companion of the ACM/IEEE International Conference on Human-Robot Interaction (HRI LBR)*, Boulder, CO, Mar 11-15, 2024. DOI: 10.1145/3610978.3640558

(3.38 Impact Score)

Refereed Workshop Papers

- [WS4] *HRI* '24 Uksang Yoo, **Nathan Dennler**, Sarvesh Patil, Jean Oh and Jeffrey Ichnowski. "Inclusion in Assistive Haircare Robotics: Practical and Ethical Considerations in Hair Manipulation", *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, at the 3rd Workshop on Inclusive HRI, Boulder, CO, Mar 11-15, 2024.
- [WS3] *HRI '24* Nathaniel Dennler, Amy O'Connell, Stefanos Nikolaidis, Maja Matarić. "Robot Costume Design: Identity as a Narrative", *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, at the 3rd Workshop on Robo-Identity, Boulder, CO, Mar 11-15, 2024.
- [WS2] IROS '23 Nathaniel Dennler, Stefanos Nikolaidis, Maja Matarić. "Using Causal Trees to Estimate Personalized Task Difficulty," IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) at the Workshop on Assistive Robotics for Citizens, Detroit, MI, Oct 1-5, 2023.
- [WS1] RSS '23 Nathaniel Dennler, Stefanos Nikolaidis, Maja Matarić. "Singing the Body Electric: The Impact of Robot Embodiment on User Expectations", *Robotics: Science and Systems (RSS)* at the Workshop on Social Intelligence in Humans and Robots, Daegu, Korea, Jul 10-14, 2023.

Technical Demonstrations

- [D2] UIST '24 Nathaniel Dennler, Evan Torrence, Uksang Yoo, Stefanos Nikolaidis, Maja Matarić. "PyLips: an Open-Source Python Package" demonstrated at 2024 ACM Symposium on User Interface Software and Technology (UIST), Pittsburgh, PA, Oct 13-16, 2024.
- [D1] *NeurIPS '19* Nathaniel Dennler, Eura Shin, Maja Matarić, Stefanos Nikolaidis. "Robot-Assisted Hair Combing," demonstrated at 2019 Conference on Neural Information Processing Systems, Vancouver, Canada, Dec 8-14, 2019.

INVITED TALKS	 "Physical and Social Adaptation for Assistive Robot Interactions" Oct 2 invited lecture for CSCI 545: Robotics at University of Southern California. Los Angeles, CA. "Physical and Social Adaptation for Assistive Robot Interactions" Oct 2 presented at the Doctoral Seminar Series on Interaction at Simon Fraser University. sented Virtually. "Physical and Behavioral Adaptation in Human-Robot Interaction" Aug 2 presented at the HCI Seminar at Johns Hopkins University. Presented Virtually. 		
	"Shaping User Expectations through Robot Design" presented at the <i>Bot Intelligence Group (BIG)</i> at Carnegie Mellon University . Pittsburgh	May 2024 n, PA.	
	"Shaping User Expectations through Robot Design" presented at the USC Robotics Seminar at University of Southern California . Los Ange		
	"Characterizing the Arm Nonuse Workspace in Post-stroke Individuals" presented at the <i>WiSE STEM Bytes Seminar</i> at University of Southern California . Los Ar		
	"Characterizing the Arm Nonuse Workspace in Post-stroke Individuals" presented at the USC Robotics Seminar at University of Southern California . Los Angel	Apr 2023 les, CA.	
	"Socially Assistive Robots that Adapt to Users' Preferences," invited lecture for CSCI 699: Computational Human-Robot Interaction at Univ Southern California. Los Angeles, CA.	Apr 2024 versity of	
	"Developing Assistive Technologies: Social and Functional Considerations," invited lecture for the Assistive Technology course at Seoul National University . virtually.	Mar 2023 Presented	
	"Introduction to PyTorch," Jan invited lecture for the <i>Deep Learning and Its Applications course</i> at the University ern California . Presented Virtually.		
	"Particle Filtering," Nover invited lecture for the <i>Robotics course</i> at the University of Southern California geles, CA.	mber 2021 a . Los An-	
	"Expression Salience in Socially Assistive Robots," presented at the <i>National Science Foundation Engineering and Educations Cente</i> ence in Alexandria Virginia .	Oct 2019 rs Confer-	
	"Mobile Manipulation through Tactile Sensing," Oct presented as a <i>WPI Major Qualifying Project</i> at MIT Lincoln Labs . Lexington, M	ober 2018 A.	
SERVICE	Conference Organizing Committees		
	Web Chair, IEEE/ACM International Conference on Human-Robot Interaction (HR inburgh, UK, March 2026.	I '26), Ed-	

Workshop Organizing Committees

Lead organizer (with Uksang Yoo, Andrea Sipos, Ruchira Ray, Marsalis Gibson, Maria E. Cabrara, Raj Korpan, Roberto Martín-Martín), *IEEE International Conference on Robotics and Automation (ICRA)* Queer in Robotics: Building a Community and Generating Inclusive Guidelines, Atlanta, GA, May 21st, 2025. **Part of the Inaugural ICRA Diversity Day**.

Co-organizer (with Uksang Yoo, Jean Oh, Jeffrey Ichnowski, Jonathan Francis, Zeyi Liu, Achu Wilson, Benjamin Yen, Moonyoung Lee, Vito Mengers), *IEEE International Conference on Robotics and Automation (ICRA)* Workshop on Acoustic Sensing and Representations for Robotics, Atlanta, GA, May 19th–May 23rd, 2025.

Co-Lead Organizer (with Zhonghao Shi, Leigh Levinson, Tiantian Feng, Xuan Shi, Nicholas Georgiou, Jieyu Zhao, Shrikanth Narayanan, Brian Scassellati, Selma Šabanović, Maja Matarić), *AAAI Spring Symposium* on Child-AI Interaction in the Era of Foundation Models, Burlingame, CA, March 31st–April 2, 2025.

Co-organizer (with Arjun Subramonian, Anaelia Ovalle, Luca Soldaini, Zeerak Talat, Sunipa Dev, Kyra Yee, William Agnew, Irene Font Peradejordi, and Avijit Ghosh), *ACM Fairness Accountability and Transparency (FAccT) CRAFT session* on Community Ownership of Queer Data and Models, Chicago, IL, June 21st, 2022.

Service Roles

Journal Reviewer

International Journal of Robotics Research (IJRR), Transactions on Neural Systems and Rehabilitation Engineering (TSNRE), Robotics and Automation Letters (RA-L), Science Robotics, and Public Library of Science ONE (PLoS ONE), Frontiers in Robotics, Transactions on Human-Robot Interaction (T-HRI), Autonomous Robotics

Conference Reviewer

Human-Robot Interaction (HRI), International Conference on Robot and Human Interactive Communication (RO-MAN), International Conference on Social Robotics (ICSR), International Conference on Intelligent Robots and Systems (IROS), International Conference on Robotics and Automation (ICRA), Knowledge Discovery and Data Mining (KDD)

Core Organizer

Queer in AI / Queer in Robotics

- 1. Documenting organizational procedures to facilitate other special interest groups to develop grassroots efforts for inclusion.
- 2. Organizing socials at conferences, fostering community among queer researchers in robotics.
- 3. Organizing workshops to publicize queer works and considerations. Previously organized a CRAFT workshop at FAccT, assessing what queer harms exist in AI systems and how to measure these harms.
- 4. Providing mentorship and funding to queer students applying to graduate programs.

Editor

RASC Blog

1. Solicit and prepare articles to communicate USC Robotics Research to non-technical audiences.

Organizer

USC Summer Robotics Research Seminar

- 1. Initiated a seminar for visiting undergraduate and high school summer researchers to learn about robotics research at USC.
- 2. Invited speakers, curated research themes, and designed promotional materials to advertise the seminar.

Jun 2023-Present

Jun 2024-Jul 2024

Jun 2023-Present

Coding Club Instructor

South LA Robotics

1. Teaching coding fundamentals to elementary and middle school students in the South Los Angeles area.

Merit Badge University Director, Service Vice PresidentJan 2018-Apr 2019Alpha Phi OmegaJan 2018-Apr 2019

- 1. Lead a committee to plan a two-day conference for 300 boy scouts.
- 2. Designed courses according to merit badge specifications.
- 3. Planned community service opportunities for over 80 active members, resulting in a total of 3000 hours of community service across the organization to the chapter, campus, community, and country—the largest number of hours in the chapter's 50+ year history in a single semester.

OTHER	3rd Place, in the IROS functional fashion competition	Oct 2023
COMPETITIVE	Distinguished Service Key, highest award for service in Alpha Phi Omega	Apr 2019
ACTIVITIES	U.S. Challenge Skate Novice Pairs Champion	Oct 2017
	U.S. Figure Skating Intermediate Pairs National Silver Medalist	Jan 2015