

# DURI LONG

**Research Areas:** Embodied interaction, human-centered artificial intelligence, design research, computational creativity, co-creative systems, learning sciences and technology, human-computer interaction in public spaces, computer science education, informal learning, AI literacy

## EDUCATION

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- 2021      **Georgia Institute of Technology**, Atlanta, GA  
*Ph.D., Human Centered Computing*  
Dissertation: “Designing Embodied, Co-Creative AI Literacy Interventions for Public Spaces”  
Advisor: Brian Magerko  
Committee: Betsy DiSalvo, Ashok Goel, Mike Horn, Hyunjoo Oh  
Minor in Design Research; Specialization in Learning Sciences & Technology
- 2016      **University of North Carolina at Chapel Hill**, Chapel Hill, NC  
*Bachelor of Science in Computer Science* (Distinction and Highest Honors);  
*second major in Dramatic Art*  
Honors Thesis: “Mixed-focus Difficulty-Triggered Collaborative Writing: Interoperable Architecture, Implementation, and Evaluation”  
Advisor: Prasun Dewan

## APPOINTMENTS

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- 2022-Present    **Assistant Professor**  
*Department of Communication Studies, School of Communication*  
*Courtesy Appointment in Department of Computer Science*  
*Northwestern University*
- 2021-2022      **Research Scientist 1**  
*Expressive Machinery Lab, Georgia Institute of Technology* (Atlanta, GA)  
Supervisor: Brian Magerko
- 2016-2021      **Graduate Research Assistant**  
*Expressive Machinery Lab, Georgia Institute of Technology* (Atlanta, GA)  
Advisor: Brian Magerko
- 2014-2016      **Undergraduate Research Assistant**  
*Computer Science Department, University of North Carolina at Chapel Hill*  
Advisor: Prasun Dewan

## OTHER PROFESSIONAL EXPERIENCE

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- 2021-2022      **Consultant on AI4K12 Workshop Evaluation**  
*The Findings Group, LLC*  
 Supervisor: Tom McKlin
- 2017            **Artist's Residency**  
*The Children's Museum of Pittsburgh*  
 Collaborators: Anne Fullenkamp, Lacey Murray

## PUBLICATIONS

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### PEER-REVIEWED JOURNAL PAPERS

2022.    **Duri Long**, Tom McKlin, Nylah Boone, Dezarae Dean, Mirina Garoufalidis, Brian Magerko. Active Prolonged Engagement EXpanded (APEX): A Toolkit for Supporting Evidence-Based Iterative Design Decisions for Collaborative, Embodied Museum Exhibits. In *Proceedings of the ACM on Human-Computer Interaction* 6, CSCW1, Article 50, 33 pages.
2021.    **Duri Long**, Takeria Blunt, and Brian Magerko. Co-Designing AI Literacy Exhibits for Informal Learning Spaces. In *Proceedings of the ACM on Human-Computer Interaction* 5. CSCW2 (2021): 1-35.
2016.    **Duri Long**. Ritual and contemporary Catalan theater: the work of La Fura dels Baus. In *Journal of Catalan Studies (JOCS)* 18/19 (2016).

### PEER-REVIEWED CONFERENCE PROCEEDINGS<sup>1</sup>

2022.    **Duri Long**, Anthony Teachey, and Brian Magerko. "Family Learning Talk in AI Literacy Learning Activities." Conditionally Accepted to the 2022 ACM Conference on Human Factors in Computing Systems (CHI). [top 12.5% of papers]
2021.    **Duri Long**, Aadarsh Padiyath, Anthony Teachey, and Brian Magerko. The role of creativity, collaboration, and embodiment in AI learning experiences. In *Proceedings of the 2021 ACM Conference on Creativity & Cognition*. [23.1% acceptance rate].
2020.    Lucas Liu, **Duri Long**, and Brian Magerko. MoViz: A Visualization Tool for Comparing Motion Capture Data Clustering Algorithms. In *Proceedings of the 2020 International Conference on Movement and Computing (MOCO)*.
2020.    Meha Kumar, **Duri Long**, and Brian Magerko. Creativity Metrics for a Lead-and-Follow Dynamic in an Improvisational Dance Agent. In *Proceedings of the 2020 International Conference on Computational Creativity (ICCC)*.

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<sup>1</sup> In the field of human-computer interaction, archival papers in premiere conferences undergo a highly selective, multi-stage peer review process. These conferences often exceed journals in their selectivity, citations, and impact. Thus in HCI, proceedings publications in these venues are considered on par with publications in a journal.

- 2020. **Duri Long**, Tom McKlin, Anna Weisling, William Martin, Steven Blough, Katlyn Voravong, and Brian Magerko. Out of Tune: Discord and Learning in a Music Programming Museum Exhibit. In Proceedings of the 2020 ACM Conference on Interaction Design and Children (IDC).
- 2020. **Duri Long** and Brian Magerko. What is AI Literacy? Competencies and Design Considerations. In Proceedings of the 2020 ACM Conference on Human Factors in Computing Systems (CHI). [24.3%]  
**Best Paper Honorable Mention [top 5%]**  
**Distributed as a Research Primer by the Center for Innovative Research in Cyberlearning**
- 2019. Lucas Liu, **Duri Long**, Swar Gujrana, and Brian Magerko. Learning Movement Through Human-Computer Co-Creative Improvisation. In Proceedings of the 2019 ACM Conference on Movement and Computing (MOCO).
- 2019. **Duri Long**, Mikhail Jacob, and Brian Magerko. Designing Co-Creative AI for Public Spaces. In Proceedings of the 2019 ACM Conference on Creativity and Cognition (C&C). [29%]
- 2019. **Duri Long**, Tom McKlin, Anna Weisling, William Martin, Hannah Guthrie, and Brian Magerko. Trajectories of Physical Engagement and Expression in a Co-Creative Museum Installation. In Proceedings of the 2019 ACM Conference on Creativity and Cognition (C&C). [29%]
- 2017. **Duri Long**, Mikhail Jacob, Nicholas Davis, and Brian Magerko. Designing for Socially Interactive Systems. In Proceedings of the 2017 ACM Conference on Creativity and Cognition (C&C). [28%]

#### PEER-REVIEWED LATE-BREAKING & SHORT PAPERS

- 2018. **Duri Long**, Kun Wang, Jason Carter, and Prasun Dewan. Exploring the Relationship between Programming Difficulty and Web Accesses. In Proceedings of the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC).
- 2018. **Duri Long**, Hannah Guthrie, and Brian Magerko. Don't Steal My Balloons: Designing for Musical Adult-Child Ludic Engagement. In Proceedings of the 2018 ACM Conference on Interaction Design and Children (IDC).

#### PEER-REVIEWED WORKSHOP PROCEEDINGS

- 2019. Swar Gujrana, **Duri Long**, and Brian Magerko. Moving in Virtual Space: A Laban-inspired Framework for Procedural Animation. In Proceedings of the Experimental AI in Games workshop (EXAG) at the 2019 AAAI Conference on Artificial Intelligence

and Interactive Digital Entertainment (AIIDE).

- 2017. **Duri Long**, Sanjana Gupta, Jessica Brooke Anderson, and Brian Magerko. The Shape of Story: Semiotic Artistic Visualization of a Communal Storytelling Experience. In Proceedings of the Interactive Narrative Technologies workshop (INT) at the 2017 AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE).
- 2017. Matthew Guzdial, **Duri Long**, Christopher Cassion, and Abhishek Das. Visual Procedural Content Generation with an Artificial Abstract Artist. In Proceedings of the 2017 Computational Creativity and Games Workshop (CCGW) at the 2017 International Conference on Computational Creativity (ICCC).

#### PEER-REVIEWED POSTER AND DEMO PROCEEDINGS

- 2023. Trajkova, M., Deshpande, M., Knowlton, A., Monden, C., **Long, D.**, & Magerko, B. (2023, July). AI Meets Holographic Pepper's Ghost: A Co-Creative Public Dance Experience. In *Companion Publication of the 2023 ACM Designing Interactive Systems Conference* (pp. 274-278).
- 2023. **Duri Long**, Rollins, S., Ali-Diaz, J., Hancock, K., Nuonsinoeun, S., Roberts, J., & Magerko, B. Fostering AI Literacy with Embodiment & Creativity: From Activity Boxes to Museum Exhibits. In *Proceedings of the 22nd Annual ACM Interaction Design and Children Conference* (pp. 727-731).
- 2021. **Duri Long**, Jonathan Moon, and Brian Magerko. Introducing AI Worksheet Activity. In Proceedings of the Eleventh AAAI Symposium on Educational Advances in Artificial Intelligence (EAAI-21). [Model Assignment].
- 2021. **Duri Long**, Jonathan Moon, and Brian Magerko. "Unplugged" Semantic Networks and Knowledge Representations. In Proceedings of the Eleventh AAAI Symposium on Educational Advances in Artificial Intelligence (EAAI-21). [Model Assignment].
- 2020. **Duri Long**, Lucas Liu, Swar Gujrania, Cassandra Naiomi, and Brian Magerko. Visualizing Improvisational Strategies in LuminAI, an AI Partner for Co-Creative Movement Improvisation. Accepted to the 2020 ACM Conference on Movement and Computing (MOCO).
- 2018. **Duri Long**, Kun Wang, Jason Carter, and Prasun Dewan. Poster: Graphical Visualization of Difficulties Predicted from Interaction Logs. In Proceedings of the 2018 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC).
- 2015. **Duri Long**, Nicholas Dillon, Kun Wang, Jason Carter, and Prasun Dewan. Interactive Control and Visualization of Difficulty Inferences from User-Interface Commands. In

Proceedings of the 2015 ACM Conference on Intelligent User Interfaces (IUI).

#### WORKSHOPS ORGANIZED

- 2023. **Duri Long**, Jessica Roberts, Brian Magerko, Ken Holstein, Daniella DiPaola, and Fred Martin. “AI Literacy: Finding Common Threads between Education, Design, Policy, and Explainability.” Workshop, In Proceedings of the 2023 ACM Conference on Human Factors in Computing Systems (CHI 2023). [35%]
- 2019. **Duri Long** and Max Kreminski. Experimental AI and Games (EXAG). Held at the 2019 AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE).

#### DOCTORAL CONSORTIA

- 2017. **Duri Long**. Pre-Learning Experiences with Co-Creative Agents in Museum Environments. Presented at the Doctoral Consortium at the 2017 AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE).
- 2017. **Duri Long**. Informal Learning with Co-Creative Agents in Museum Environments. Presented at the Doctoral Consortium at the 2017 International Conference on Computational Creativity (ICCC).

#### OTHER SCHOLARLY PUBLICATIONS

- 2023. Lin, L., & **Long, D.** (2023, June). Generative AI Futures: A Speculative Design Exploration. In *Proceedings of the 15th Conference on Creativity and Cognition* (pp. 380-383).
- 2023. Morales-Navarro, L., Kafai, Y. B., Castro, F., Payne, W., DesPortes, K., DiPaola, D., **Long, D.**, ... & Vakil, S. (2023). Making Sense of Machine Learning: Integrating Youth’s Conceptual, Creative, and Critical Understandings of AI. n *Proceedings of the 17th International Conference of the Learning Sciences-ICLS 2023*. International Society of the Learning Sciences.
- 2023. **Duri Long**. “Conducting Remote Design Research on Embodied, Collaborative Museum Exhibits.” Case Study, In Proceedings of the 2023 ACM Conference on Human Factors in Computing Systems (CHI 2023). [30%]
- 2022. Glenda Stump; Benjamin Walsh; Helen Zhang; Irene Lee; Grace C. Lin; Eryka Wilson; **Duri Long**; Tesha Sengupta-Irving. “Aspiring for Equity: Perspectives from Design of AI Education.” International Society of the Learning Sciences (ISLS) 2022 Symposium Presentation.
- 2021. **Duri Long**, Jonathan Moon, Brian Magerko. Unplugged Assignments for K-12 AI Education. AI Matters, Volume 7, Issue 1.

2021. **Duri Long**. Designing Embodied, Co-Creative AI Literacy Interventions for Informal Learning Spaces. Ph.D. dissertation in the School of Interactive Computing at the Georgia Institute of Technology.
2020. Brian Magerko and **Duri Long**. Why Don't Computers Improvise With Us? Accepted to the Workshop on Artificial Intelligence for HCI at the 2020 ACM Conference on Human Factors in Computing Systems (CHI). [Extended Abstract]
2018. **Duri Long**, Astrid Bin, and Brian Magerko. Parent-Child Musical Co-Creation with Tangible and Embodied Interfaces. Presented at the Rethinking Children's Co-Creation Processes beyond the Design of TUIs Workshop at the 2018 ACM Conference on Interaction Design and Children (IDC). [Extended Abstract]
2017. **Duri Long**, Mikhail Jacob, Dor Hananel, and Brian Magerko. LuminAI: A System for Collaborative Movement Improvisation. Presented at the How Can Computers Support, Enrich, and Transform Collaborative Creativity? workshop at the 2017 ACM Conference on Creativity and Cognition (C&C). [Extended Abstract]
2015. **Duri Long**. Convergence of Ecology and Performance in Druid Theater's DruidShakespeare (2015). Presented at the 2015 American Society for Theater Research's (ASTR) Working Session on Ecology and/of/in Performance. [Paper]

#### EXHIBITIONS & PERFORMANCES

2019. Richard Savery, **Duri Long**, Brian Magerko, Nick Sinclair, Raianna Brown, and Antavius Ellison. *Sound Happening*. Performance and interactive art installation. ACC Creativity & Innovation Festival at the Smithsonian, Washington D.C.
2018. **Duri Long** and Brian Magerko. *LuminAI*. Interactive art installation. CODAME Art Tech Festival, San Francisco.
2017. **Duri Long**, Mikhail Jacob, and Dr. Brian Magerko. *LuminAI*. Interactive art installation. ACC Creativity & Innovation Festival at the Smithsonian, Washington D.C.
2017. **Duri Long**, Sanjana Gupta, Jessica Brooke Anderson, and Dr. Brian Magerko. *The Shape of Story*. Interactive art installation. Eyedrum Art & Music Gallery, Atlanta.

#### GRANTS AWARDED

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2023. Computational Embodiments: Cultures of AI, Computational Media and Performance Art," **PIs:** Eliza Bent, Melissa Blanco, Thomas DeFrantz, Darren Gergle, **Duri Long**, Ozge Samanci, Northwestern School of Communication, \$50,000.
    - **Role:** Co-PI and co-author of proposal.
  2022. "Fostering AI Literacy through Embodiment and Creativity across Informal Learning Spaces," PI: Magerko, B. Co-PI: **Long, D.**, Roberts, J. DRL 2214463, \$1.7M.

- **Role:** Co-PI and co-author of proposal.
2021. “Participatory Sensemaking with Embodied Co-Creative Agents,” PI: Magerko, B. Co-PI: Knowlton, A.. Mind, Machine, and Motor Nexus (M3X). National Science Foundation. DRL, \$573,561.
- **Role:** Co-author of proposal and research team member.
2021. Supplemental funding for “Collaborative Research: Mixing Learning Experiences for Computer Programming Across Museums, Classrooms, and the Home Using Computational Music,” PI: Magerko, B. Co-PI: Freeman, J.. Advances in Informal Science Learning. National Science Foundation. DRL-1612644, \$99,038. (Original grant: \$2,517,690).
- **Role:** Co-author of supplemental funding proposal and research team member.
2018. “Collaborative Research: Engaging High School Students in Computer Science with Co-Creative Learning Companions,” PI: Magerko, B. Co-PIs: Freeman, J.. Division of Research on Learning. National Science Foundation. DRL-1814083, \$2,119,822.
- **Role:** Assisted in proposal writing.

## FELLOWSHIPS, HONORS, & AWARDS

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- 2021 Nominated by Georgia Tech School of Interactive Computing for the ACM dissertation award and the AAAI/SIGAI dissertation award (one dissertation chosen from school)
- 2020 Finalist, Foley Scholars Awards
- 2020 Best Paper Honorable Mention (top 5% of submissions), CHI 2020
- 2018 NSF Graduate Research Fellowship Program Honorable Mention
- 2018 Grad Cohort for Women Travel Funding, San Francisco, CRA-WP (~\$1500)
- 2017 First Place in DanceX Turing Test Competition for the Creative Arts (\$500)
- 2017 Doctoral Consortium Funding, AIIDE 2017 (\$1500)
- 2017 Doctoral Consortium Funding, ICCS 2017 (\$400)
- 2017 Grad Cohort for Women Travel Funding, Washington D.C., CRA-WP (~\$1500)
- 2016 President’s Fellowship, Georgia Institute of Technology (\$22,400)
- 2014 Virgil and Marion Lee Fellowship, UNC Department of Dramatic Art (\$1000)
- 2014 Phi Beta Kappa

## TEACHING EXPERIENCE

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## COURSES TAUGHT

- 2023 Interactive Museum Exhibit Design  
Northwestern University  
Instructor of Record, Undergraduate Course
- 2023 Qualitative Research Methods for Technology Use  
& Design  
Northwestern University  
Instructor of Record, Graduate Seminar
- 2022 Speculative Design for Human-AI Communication  
Northwestern University  
Instructor of Record, Graduate Seminar
- 2019 Educational Technology  
Georgia Institute of Technology  
Instructor of Record, Undergraduate Course
- 2018 Human Centered Computing Seminar  
Georgia Institute of Technology  
Co-Lead

#### TEACHING ASSISTANT

- 2021 Educational Technology (OMSCS)  
Georgia Institute of Technology Online Masters in Computer Science (OMSCS)  
Graduate Teaching Assistant with Dr. David Joyner
- 2019 Computing Ethics and Society  
Georgia Institute of Technology  
Graduate Teaching Assistant with Dr. Chaohua Ou
- 2018 Computing Ethics and Society (Honors)  
Georgia Institute of Technology  
Graduate Teaching Assistant with Dr. Amy Bruckman
- 2015 Foundations of Programming  
UNC-Chapel Hill  
Undergraduate Teaching Assistant with Dr. Prasun Dewan
- 2015 Introduction to Directing  
UNC-Chapel Hill  
Undergraduate Teaching Assistant with Dr. Karen O'Brien

#### TALKS & GUEST LECTURES

- 2023 *Fostering AI Literacy with Creative Learning Experiences*. Invited Talk,  
University of Tokyo.
- 2023 *Fostering Public Understanding of AI through Education and Design*. Invited  
Talk, DUB Seminar, University of Washington.
- 2023 *Creative Practice, Robotics and Artificial Intelligence: The Cultural Impact of  
Collaborating with Non-Humans*, Invited Panel Participant, Robots, AI and  
Culture Symposium, The University of Sydney.



- 2022 *The Importance of AI-Literacy for AI in Education*. Invited Panel Participant, Empowering Learners.AI Conference, Arizona State University.
- 2022 *Fostering Human-Machine Understanding through Education & Design*, Invited Talk, Department of Computer Science, Northwestern University.
- 2022 *Fostering Public Engagement with AI through Creativity*, Lambert Conference on the Future of Human-Computer Interaction + Design, Northwestern University.
- 2022 *Fostering Human-Machine Understanding through Education & Design*, Invited Talk, Department of Learning Sciences, Georgia State University.
- 2022 *Fostering Human-Machine Understanding through Education & Design*, Invited Talk, Department of Communication Studies, Northwestern University.
- 2022 *Fostering Human-Machine Understanding through Education & Design*, Invited Talk, Department of Computer Science, Emory University.
- 2022 *Fostering Human-Machine Understanding through Education & Design*, Invited Talk, School of Interactive Games and Media, Rochester Institute of Technology.
- 2022 *Fostering Human-Machine Mutual Theory of Mind through Education & Design*, Invited Talk, Department of Computer Science, Virginia Tech.
- 2022 *Fostering Human-Machine Mutual Theory of Mind through Education & Design*, Invited Talk, iSchool, University of Texas at Austin.
- 2021 *Fostering Human-Machine “Mutual Theory of Mind” through Education and Design*, Digital Media Talks Series, Georgia Tech.
- 2021 *Fostering Public Understanding of AI through Education and Design*. GVU Brownbag Talk, Georgia Tech.

#### GUEST LECTURES

- 2022 *Fostering Human-Machine Understanding through Education & Design*, Technologies to Optimize Human Learning, University of Michigan.
- 2022 *Fostering Human-Machine Understanding through Education & Design*, Foundations of Educational Technology, Georgia Tech.
- 2021 *Introduction to AI*. Girls in AI Global Hackathon, San Francisco.
- 2020 *Designing Co-Creative AI for Public Spaces*. Designing for Curiosity, Georgia Tech.
- 2019 *Net Neutrality*. Computing Ethics and Society, Georgia Tech.
- 2018 *Visual and Statistical Thinking*. Computing Ethics and Society, Georgia Tech.
- 2018 *Work and Wealth*. Computing Ethics and Society, Georgia Tech.
- 2017 *LuminAI*. Intelligent User Interfaces, UNC-Charlotte.
- 2015 *Terminus*. Contemporary Irish Drama, UNC-Chapel Hill.

## SERVICE

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### EXTERNAL SERVICE

- 2023 Sustainability Chair, Interaction Design for Children
- 2023-2024 Papers Co-Chair, ACM Creativity and Cognition
- 2021 Associate Chair, “Learning, Education, and Families” subcommittee for ACM CHI 2022
- 2021-2022 Posters and Demos Co-Chair, Creativity and Cognition
- 2021 Session Chair, “Creative Touch,” Creativity and Cognition
- 2019 Panel Moderator, “Playable Experiences,” AIIDE
- 2019 Session Chair, “Sound and Performance,” Creativity and Cognition
- 2019 Student Volunteer, ICCCC
- 2017 Student Volunteer, Creativity and Cognition

### SERVICE TO NORTHWESTERN UNIVERSITY

- 2023 Coordinator for HCI + Design Thought Leader Dialogue on AI Education
- 2022-Present AI@NU Planning Committee
- 2022-2023 Mancosh Pathways to the Professoriate Search Committee
- 2022-2023 Technology & Social Behavior PhD Student Recruitment Committee

### SERVICE TO GEORGIA TECH

- 2016-2019 GVU Research Showcase Demonstration/Poster Presenter
- 2018 Human Centered Computing PhD Seminar Co-Lead

### EXTERNAL REVIEWING & PROGRAM COMMITTEE (PC) MEMBERSHIP

Symposium on Learning, Design, and Technology, PC, 2023  
IDC, 2023  
EAAI Papers, PC, 2023  
EAAI Model Assignments, PC, 2022  
Creativity & Cognition, 2021  
Evo\* PC, 2021  
CHI 2023, 2021, 2020, 2019 (highly useful), 2018  
ICCC 2021 (PC), 2020 (PC), 2017  
DIS 2020  
IDC 2020, 2018  
SIGCSE 2020, PC  
CogSci 2019  
EXAG 2019, PC

## STUDENT MENTORING

### *Northwestern University*

Taewook Kim, PhD student, Technology & Social Behavior  
Lauren Lin, BS-Learning Sciences, Data Science, Human-Computer Interaction  
Lauren Bichelmeir, BS-Computer Science & Design  
Samnang Nuonsinoeun, BS- Manufacturing and Design Engineering, BS-Computer Science  
Katherine Hancock, BS-Manufacturing and Design Engineering  
Jasmin Ali-Diaz, BS-Manufacturing and Design Engineering  
Sophie Rollins, BS/MS-Computer Science  
Grace Shao, BA-Communication Studies

### *Georgia Tech*

Sathvika Dannapaneni, BS-Computer Science  
Jiaxi Yang, MS-HCI  
Aadarsh Padiyath, MS-Interactive Intelligence  
Anthony Teachey, BS-Computational Media  
Swar Gujrania, MS-HCI  
Lucas Liu, BS-Computer Science  
Meha Kumar, BS-Computer Science  
Cassandra Naomi, BS-Computational Media  
Jonathan Moon, BS-Industrial Design  
Dezarae Dean, BS-Psychology  
Katlyn Voravong, BS-Neuroscience  
Nylah Boone, BS-Neuroscience  
Skyler Tordoya Henckell, BS-Psychology  
Mirina Garoufalidis, BS-Computational Media  
Hannah Guthrie, BS-Computer Science  
William Martin, BS-Psychology  
Steven Blough, BS-Psychology  
Bilal Mawji, BS-Computer Science  
Dor Hananel, BS-Computer Science  
Idan Hananel, high school student  
Nick Sinclair, BS-Industrial Design  
Vanya Padmanabhan, BS-Industrial Design  
Alexis Perkins, BS-Industrial Design  
Ju-Hwan Lim, BS-Computer Science  
Chelsi Cocking, BS-Computational Media