Aline Normoyle, PhD

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Education

University of Pennsylvania
Ph.D. Computer Science   2009-2015
M. Eng. Computer Graphics and Game Technology   2009

McGill University
B.Sc. Honors Computer Science, Dean's Honor List   1999

Employment History

Academic Employment and Internships
Bryn Mawr College, Assistant Professor   2020-Current
Swarthmore College, Visiting Assistant Professor   2017-2020
Clemson University, Engineering Consultant   2017-2018
Recurse Center, Sabbatical Residency   2016
Robotics Institute, Carnegie Mellon University, Research Assistant   2011-2012
Disney Research, Imagineer   Summer 2011

Professional Employment
Savvy Sine LLC, Sole Proprietor   2018-Current
Venturi Labs LLC, Director of Software Development   2017-2020
Moon Collider Ltd, AI Programmer and Researcher   2015-2016
SIG Center for Computer Graphics, University of Pennsylvania, Associate Director   2012-2013
Acko Collaboratory for Advancement of the Systems Approach (ACASA),
University of Pennsylvania, Sr. Programmer/Analyst   2006-2008
MAK Technologies, Sr. Software Engineer

7. Lin, L., Normoyle, A., Adkins A., Sun, Y., Robb, A., Ye, Y., Di Luca, M., Jörg, S., \The E ect of Hand Size and Interaction Modality on the Virtual Hand Illusion", IEEE Conference on Virtual Reality and 3D (IEEE VR), 2019, 10.1109/VR.2019.8797787

8. Chow, K., Nicewinter, J., Normoyle, A., Erickson, C., Badler, N.I., \Crowd and procession hypothesis testing for large-scale archaeological sites", MARCH Workshop, IEEE International Conference on Arti cial Intelligence And Virtual Reality, 2019, doi:10.1109/AIVR46125.2019.00069

9. Normoyle, A., Jörg, S., \The e ect of animation controller and avatar on player perceptions", Computer Animation and Virtual Worlds, 2016, doi:10.1002/cav.1731

10. Normoyle, A., Jensen S. T., \Bayesian Clustering of Player Styles for Multiplayer Games". AAAI Conference on Arti cial Intelligence and Interactive Digital Entertainment, 2015, doi:10.1609/aiide.v11i1.12805

11. Normoyle, A., Jörg, S. \Trade-o s between Responsiveness and Naturalness for Player

Teaching

Bryn Mawr College, Assistant Professor

CS 399: Senior Conference	Spring 2022
CS 223: Systems Programming	Spring 2023, Fall 2022, Spring 2022
CS 317: Computer Animation	Fall 2021
CS 231: Discrete Math	Fall 2021
CS 312: Computer Graphics	Spring 2023, Spring 2021
CS 113: Introduction to Computer Science	Fall 2022, Spring 2021
CS 110: Introduction to Computing	Fall 2020

Swarthmore College, Visiting Assistant Professor

CS 71: Software Engineering	Spring 2019
CS 21: Introduction to Computer Science	Fall 2018, Spring 2020
CS 56/91: Computer Animation	Spring 2018, Spring 2017, Fall 2019

University of Pennsylvania, Co-Instructor

CIS 497: Senior capstone project	2014-2015

University of Pennsylvania, Student Instructor

CIS 563: Physically-based Animation	Spring 2011

University of Pennsylvania, Teaching Assistant

Winner of the University of Pennsylvania Teaching Practicum Award

CIS 563: Physically-based Animation	Spring 2010
CIS 660: Advanced Graphics	Spring 2010, 2011
CIS (EAS) 499: Senior Capstone Project	2010-2011

Gulesh Shukla, Bryn Mawr RA, \Analysis of motion from video", Spring 2022

Lola Rodgrigues, Bryn Mawr RA, \Peg Game Task", Fall 2021

Samuel J. Rothstein, University of Pennsylvania REU, \Collaborative Research: Multimethod Investigation of Articulatory and Perceptual Constraints on Natural Language Evolution.", Summer 2020

Felicity Yick and Samantha Lee, University of Pennsylvania Summer Research, \SPACES Project: Recreating the ancient city of Pachacamac.", Summer 2020

Katherine Lima, Swarthmore Summer Researcher, \Role Player Game (RPG) Development for Arti cial Intelligence Testbed" Summer 2019

Yi Fei Cheng, Swarthmore Summer Researcher, \The Q*Bird Level Designer: User-assisted procedural Level Design in Augmented Reality", Summer 2019

Mirabai Smoot and Nana Anikuabe, Swarthmore Summer Researcher, \Adaptive Bayesian learning of Playstyles", Summer 2019

E e Li, University of Pennsylvania REU, \Collaborative Research: Multimethod Investigation of Articulatory and Perceptual Constraints on Natural Language Evolution.", Summer 2019

Kristin Chow, University of Pennsylvania Summer Researcher, \SPACES Project: Recreating the ancient city of Pachacamac.", Summer 2019

Xuan Huang, Bryn Mawr College, \Procedural Generation of Cities", Spring 2017

Mentorship and Support

Chandini Ragobar, Haverford College, Chesick Summer Experience Funding, Summer 2023

Swarthmore CPSC 000SR, Student instructor: Aaron Kang, \Introduction to Unity", Spring 2019