

ALLISON POH

Ph.D. Candidate, Computer Science
University of Massachusetts (UMass) Amherst

xxx-xxx-xxxx

apoh@umass.edu
linkedin.com/in/allisonpoh

EDUCATION

- Exp. 2026** **Ph.D., Computer Science**
UMass Amherst
Thesis: *A Multimodal Dashboard for Real-Time Teacher Support During Embodied Learning Activities*
Advisor: Ivon Arroyo
- 2020** **M.S., Computer Science**
UMass Dartmouth
Thesis: *nucleoSLIDE: a citizen science game for the motif finding problem*
Advisor: Firas Khatib
- 2018** **B.S., Computer Science, *summa cum laude***
UMass Dartmouth

RESEARCH INTERESTS

Human-computer interaction	Educational data mining
Learning analytics	Computing education research

RESEARCH EXPERIENCE

- 2021 –** **Graduate Researcher**
Advanced Learning Technologies Lab at UMass Amherst
Topic: Dashboard for supporting K-12 teachers (HCI, learning analytics)
PI: Ivon Arroyo
- 2024** **Graduate Research Assistant**
Data Science 4 Everyone
Topic: Tools and technologies for data science education (EdTech, CS/DS education)
PI: Zarek Drozda, Sarah Miller, Sean Sukol
- 2019** **Graduate Research Assistant**
UMass Dartmouth
Topic: Visualizing missing and imputed data (HCI, visual analytics)
PI: Maoyuan Sun (now Northern Illinois University)
- 2018** **Graduate Research Assistant**
UMass Dartmouth

Topic: Exploring provenance-based data (HCI, visual analytics)
 PI: David Koop (now Northern Illinois University)

PUBLICATIONS

- [6] **Enhancing Teacher Support in Learning Technologies: A Human-Centered Approach with WearableLearning**
AIED 2025
Allison Poh, Yuqian Shi, Francisco Castro and Ivon Arroyo

- [5] **Example Explorers and Persistent Finishers: Exploring Student Practice Behaviors in a Python Practice System**
CSEDM Workshop @ EDM 2025
Allison Poh, Anurata Prabha Hridi, Jordan Barria-Pineda, Peter Brusilovsky and Bitu Akram

- [4] **Educators' Evolving Attitudes Toward AI: Analysis of Discussions from r/Teachers and r/Professors**
EDULEARN 2025
Allison Poh, Ari Dang and Albert Young

- [3] **Aligning AIED Systems to Embodied Cognition and Learning Theories**
AIED 2024
 Ivon Arroyo, Injila Rasul, Danielle Crabtree, Francisco Castro, Allison Poh, Sai Gattupalli, William Lee, Hannah Smith and Matthew Micciolo

- [2] **Design Principles for Teacher Dashboards to Support In-Class Learning**
ICLS 2023
Allison Poh, Francisco Enrique Vicente Castro and Ivon Arroyo

- [1] **WearableLearning: Developing Computational Thinking through Modeling, Simulation and Computational Problem Solving**
ICLS 2023
 Injila Rasul, Danielle Crabtree, Francisco Castro, Allison Poh, Sai Gattupalli, Krishna Kathala and Ivon Arroyo

TEACHING EXPERIENCE

Primary Instructor	Intro to Programming, UMass Amherst (F24) Artificial Intelligence, UMass Dartmouth (S24) Data Analysis & Visualization, UMass Dartmouth (S24) Foundations of Programming, UMass Amherst (S23, S24) Artificial Intelligence (graduate level), UMass Dartmouth (F23) A Mathematical Foundation for Informatics, UMass Amherst (F23) Data Mining & Knowledge Discovery, UMass Dartmouth (F22, F23) First-Year Seminar: Mobile & Wearable Technologies, UMass Amherst (F22)
---------------------------	--

Teaching Assistant	Object-Oriented Programming, UMass Amherst (F25) Programming with Data Structures, UMass Amherst (S22, F22) Computer Crime Law, UMass Amherst (F21) Object-Oriented Programming II, UMass Dartmouth (S19, F20) Design of Operating Systems, UMass Dartmouth (F19) Object-Oriented Programming I, UMass Dartmouth (F18, S19, F19) Introduction to Computing Systems, UMass Dartmouth (F18)
---------------------------	---

PEDAGOGICAL WORKSHOPS

2024	Better Collaborative Problem Solving: The Driver-Navigator Approach , UMass Amherst
-------------	--

AWARDS & HONORS

2025	Thesis Proposal Writing Fellowship , UMass Amherst
2024	Open Educational Resources (OER) Oscar Nomination , UMass Dartmouth
2022	David W. Stemple Scholarship in Computing , UMass Amherst
2021	CICS Fellowship , UMass Amherst
2017	Regina Rheault Scholarship , UMass Dartmouth
2016	Carrier-Pisarczyk Scholarship , UMass Dartmouth

PROFESSIONAL SERVICE

2026	Reviewer , SIGCSE TS
2025	Reviewer , Frontiers in Education Reviewer , AIED Reviewer , ISLS Reviewer , SIGCSE TS
2024	Student Volunteer , CHI Play

UNIVERSITY SERVICE

2024 – 2025	Co-Chair , Responsible Technology Coalition Committee Member , PhD Applicant Support Program Mentor , Undergraduate Research Volunteer
2023 – 2024	Committee Member , Voices of Data Science Mentor , Undergraduate Research Volunteer Volunteer , Undergraduate Research Night Volunteer , PhD Applicant Support Program

- 2022 – 2023** **Co-Chair**, Graduate Women in STEM - Mentoring Team
Mentor, Undergraduate Research Volunteer
Volunteer, PhD Applicant Support Program
- 2021 – 2022** **Committee Member**, Graduate Women in STEM - Mentoring Team
Committee Member, Graduate Women in STEM - Outreach Team
Volunteer, Women in Engineering & Computing Career Day
Volunteer, PhD Applicant Support Program

OTHER SERVICE

2024 – present **Pen Pal**, Letters to a Pre-Scientist

EVENTS ORGANIZED

- 2025** **AI x Democracy Symposium**
<https://sites.google.com/umass.edu/rctcsymposium/home>
- 2024** **Voices of Data Science Conference**
<https://www.cics.umass.edu/news/voices-data-science-encourages-critical-think>

PROFESSIONAL DEVELOPMENT

- 2024** **LearnLab Summer School, Computer Science Education Research Track**
Carnegie Mellon University, The Simon Initiative
- 2024** **Google UX Design Certificate**
Google Career Certificates

INDUSTRY EXPERIENCE

- 2020 – 2021** **Data Engineer**
AI Engineering Team
Procter & Gamble