

Dr. Abi Evans
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Theatre, Film, TV and Interactive Media
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Research interests

My research is at the intersection of Human-Computer Interaction and the Learning Sciences. I am particularly interested in building technology that can provide real-time, adaptive scaffolding for skills and processes associated with effective learning across disciplines. My current research is focused on developing tools to help novice programmers recognise and recover from misconceptions about fundamental programming concepts.

Employment

Lecturer in Interactive Media

Lecturer
Theatre, Film, TV and Interactive Media
University of York
Baird Lane, York
1 Sept 2021 → present

Lecturer in Computer Science

Northeastern University
Boston, United States
1 Sept 2018 → 1 Aug 2021

Research outputs

How Do Learners With Varying Skills Perceive Misconception Indicators and Feedback?

Evans, A. & Lock, D., 2 Jul 2025, *Proceedings of the 30th ACM Conference on Innovation and Technology in Computer Science Education V. 1 (ITiCSE 2025)*. ACM

A Pedagogical Framework for Developing Abstraction Skills

Begum, M., Crossley, J., Strömbäck, F., Akrida, E., Alpizar-Chacon, I., Evans, A., Gross, J., Haglund, P., Lonati, V., Satyavolu, C. & Thorgeirsson, S., 23 Jan 2025, *ITiCSE 2024: Proceedings of the 2024 on Innovation and Technology in Computer Science Education V. 2*. NY: ACM, Vol. 2. p. 258-299 42 p.

Design for Equality and Justice - Part 1. INTERACT 2023.

Bramwell-Dicks, A. F., Evans, A., Petrie, H., Winckler, M. & Abdelhour-Nocera, J., 5 Jun 2024, Springer Press.

Design for Equality and Justice - Part 2. INTERACT 2023.

Bramwell-Dicks, A. F., Evans, A., Petrie, H., Winckler, M. & Abdelhour-Nocera, J., 5 Jun 2024, Springer Press.

SIDE-lib: A Library for Detecting Symptoms of Python Programming Misconceptions

Evans, A., Wang, Z., Liu, J. & Zheng, M., 30 Jun 2023, *Proceedings of the 28th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE '23)*. ACM, p. 159–165

Designing a Supportive IDE to Help Novices Recognise and Recover from Programming Misconceptions

Evans, A., Liu, J., Wang, Z. & Zheng, M., 7 Aug 2022.

Unmet Needs and Opportunities for Mobile Translation AI

Liebling, D., Lahav, M., Evans, A., Donsbach, A., Holbrook, J., Smus, B. & Boran, L., 21 Apr 2020, *CHI '20: Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems*. ACM, 13 p.

Adaptive Support for Collaboration on Tabletop Computers

Evans, A., Davis, K. & Wobbrock, J., Jun 2019, *13th International Conference on Computer Supported Collaborative Learning (CSCL) 2019*. International Society of the Learning Sciences

LD4PE: A Competency-Based Guide to Linked Data Principles and Practices

Sutton, S., Crandall, M., Zeng, M., Baker, T., Evans, A., Dolan, S., Chapman, J., Talley, D. & Lauruhn, M., 26 Oct 2017, *Proceedings of the 2017 International Conference on Dublin Core and Metadata Applications*.

Group Touch: Distinguishing Tabletop Users in Group Settings via Statistical Modeling of Touch Pairs

Evans, A., Davis, K., Fogarty, J. & Wobbrock, J., 2 May 2017, *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*. ACM

Modeling Collaboration Patterns on an Interactive Tabletop in a Classroom Setting

Evans, A., Wobbrock, J. & Davis, K., 27 Feb 2017, *Proceedings of the 2016 ACM Conference on Computer-Supported Cooperative Work*. ACM

More Than Peer Production: Fanfiction Communities as Sites of Distributed Mentoring

Evans, S., Davis, K., Evans, A., Campbell, J. A., Randall, D., Yin, K. & Aragon, C., 25 Feb 2017, *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing*. ACM

Thousands of Positive Reviews: Distributed Mentoring in Online Fan Communities

Campbell, J. A., Aragon, C., Davis, K., Evans, S., Evans, A. & Randall, D., 27 Feb 2016, *Processings of the 2016 ACM Conference on Computer-Supported Cooperative Work*. ACM

Filling in the Gaps: Capturing social regulation in an interactive tabletop learning environment

Evans, A. & Wobbrock, J., Jun 2014, *Proceedings of the International Conference of the Learning Sciences (ICLS '14)*. International Society of the Learning Sciences

Research in Action: Taking Classroom Learning to the Field

Evans, A., Dresang, E., Campana, K. & Feldman, E., 2013, In: *Journal of Education for Library and Information Science*. 54, 3

Taming wild behavior: The Input Observer for obtaining text entry and mouse pointing measures from everyday computer use

Evans, A. & Wobbrock, J., 5 May 2012, *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*. ACM

Input Observer: Measuring text entry and pointing performance from naturalistic everyday computer use

Evans, A. & Wobbrock, J., 7 May 2011, *CHI '11 Extended Abstracts on Human Factors in Computing Systems*. ACM