Shaun Wallace, Ph.D.

Curriculum Vitae

Assistant Professor of Computer Science
Department of Computer Science & Statistics
University of Rhode Island

shaunwallace.org
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Google Scholar

Education

Brown University
Ph.D. in Computer Science — *2023*
Thesis: Public Data Systems for Evolving Information

Brown University
M.S. in Computer Science — *2017*

University of Limerick
M.S. in Music Technology, 1st Class Honours — *2009*
Thesis: Real-time Audio Spectra Manipulation with Adaptive FM Synthesis

University of Rhode Island
B.S. in Management Science & Information Systems, Summa Cum Laude — *2008*

Industry & Academic Positions

University of Rhode Island, Dept. of Computer Science and Statistics
Assistant Professor of Computer Science — *2023–Present*

- Chair and Faculty Senator: Technology and Infrastructure Committee
- Director: Human-Centered Experiential Technologies (HAX) Lab
- Co-Director: Virtual Readability Lab
- Co-Founder: The Readability Foundation (non-profit)
- Research Associate: The Readability Consortium
- Research Associate: University of Rhode Island Engineering for Democracy Institute

Brown University, Computer Science: Lead Systems Programmer — *2018–2023*

Adobe, Creative Intelligence Lab: Research Intern & Consultant — *2019–2022*

Google & the Readability Consortium: Research Consultant — *2022*

Brown University, ICERM & NSF: Senior Application Developer — *2011–2017*

RPS Group: Software Engineer — *2010*

University of Rhode Island, CSSPD & Student Affairs: Web Developer — *2005–2010*

Teaching

Notes: Developed a new course *. Redesigned existing course **.

University of Rhode Island

2023–2026	CSC412: Operating Systems & Networks** (30–70 students)	*Instructor*
2024, 2026	CSC521: Human-Computer Interaction* (12–21 students)	*Instructor*
2026	CSC592: Information Retrieval and Extraction* (10 students)	*Instructor*
2026	CSC512: Distributed Systems** (5 students)	*Instructor*
2025	CSC505: Advanced Topics in Software Engineering** (16 students)	*Instructor*
2024	CSC592: Designing Interactive Systems* (17 students)	*Instructor*

Brown University

2017	CSCI1300: User Interfaces and User Experience (170 students)	*Grad TA*
2026	CSCI1300: User Interfaces and User Experience (250 students)	*TA*

Invited Guest Lectures

2022	A/B Testing, Brown University Medical School	*Guest*
2022	Computer Interface Design, Tufts University	*Guest*
2021	Web Development 2 – Back-End Engineering, University of Luxembourg	*Guest*
2021	User Interfaces and User Experience, Pomona College	*Guest*
2018	User Interfaces and User Experience, Brown University (CSCI130/1300)	*Guest*
2018	Human-Computer Interaction Seminar, Brown University (CSCI2300)	*Guest*

Grants & Funding

External Funding

(Co-PI) National Science Foundation (NSF #2531916): *Collaborative Research: Cross-Cutting Improvements: Infrastructure for Creating and Sharing FAIR Scientific Research Metadata via MEDFORD*. Co-PI with Noah Daniels (URI), Lenore Cowen, and Alva Couch (Tufts).
Total: $599,698. URI Share: $307,921. (2026–2029)

(Sole PI) Rhode Island Foundation: *Medical Research Grant: A Browser-Based Eye Tracking & Pupilometry Research Platform*.
Total: $25,000. URI Share: $25,000. (2026–2027)

(Co-PI) PLEJ: Partnership for Large Election Jurisdictions (Private Award): *Polling Location Designer Tool*. Co-PI with Gretchen Macht (URI Engineering).
Total: $358,658. URI Share: $358,658. (2024–2025)

(Co-PI) United States Air Force, STTR: *Low-Code Center of Excellence Platform: Phase 1*. Co-PI with BAM Technologies.
Total: $100,000. URI Share: $30,000. (2024–2025)

(Sole PI) The Readability Consortium (Sub Award): *Readability Research Toolbox*.
Total: $70,000. URI Share: $70,000. (2024)

Internal Funding

(Sole PI) Social Science Institute for Research, Education, and Policy: *SSIREP Public Policy Fellowship: Exploring Cyber Dating Aggression in Real-Time Among Young Adults*.
Total: $5,311. (2026–2027)

(Sole PI) University of Rhode Island Graduate School: *Graduate Tuition Scholarship Awards (x3)*.
Total: $99,000 (2024–2026)

(Student Award) University of Rhode Island College of Arts & Sciences: *Undergraduate Student Award: Arts & Sciences Summer Fellowship (x4)*.
Total: $80,000. (2024–2026)

Publications

† Undergraduate student author; ‡ Graduate student author; § Senior advising author (if applicable)

Refereed Conference and Journal Papers (Peer Reviewed)

[C.22] Maedeh Hosseinpour‡, Borano Llana‡, Yusra Suhail‡, Kushas Khadka‡, and **Shaun Wallace§**. Breaking word barriers: Predicting word-level reading difficulty in people with and without dyslexia. In *Proceedings of the 2026 ACM SIGACCESS Conference on Computers and Accessibility*, 2026. *Acceptance Rate: 30.2%* **(ASSETS'26)** *(to appear)*.

[C.21] **Shaun Wallace**, Na Kyoung Lee†, Zhengyi Peng†, Talie Massachi, Long Do†, Surbhi Rathore‡, Sarah M Brown, and Jeff Huang. Attract & engage visitors with insights to maintain an evolving tabular dataset: a longitudinal naturalistic field study. *Proceedings of the ACM on Human-Computer Interaction*, 2026. *Acceptance Rate: 23.9%* **(CSCW'26)** *(to appear)*.

[C.20] Zixuan Yi‡, Yuanming Shao‡, **Shaun Wallace§**, Zach Ives§, and Ryan Marcus§. Data canvas: A provenance-guided harness for agentic data engineering. 2026. *Acceptance Rate: 29.0%* **(COLM'26)** *(to appear)*.

[C.19] Yusra Suhail‡, Kushas Khadka‡, Borano Llana‡, Maedeh Hosseinpour‡, and **Shaun Wallace§**. Personalizing font size

normalization: Linguistic background shapes which font attributes matter. In *Proceedings of the 34th ACM Conference on User Modeling, Adaptation and Personalization*, pages 203–212, 2026. [DOI 🌐] *Acceptance Rate: 24.3%* **(UMAP'26)**.

[C.18] Borano Llana[‡], Alisa Baron, Haihan Yu, Maedeh Hosseinpour[‡], Yusra Suhail[‡], Sean Chin[†], Kushas Khadka[‡], and **Shaun Wallace[§]**. Reading with diversity in mind: Pupillometry and typography towards inclusive design for adhd readers. In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems*, pages 1–7, 2026. [DOI 🌐] *Acceptance Rate: 38.4%* **(CHI EA'26)**.

[C.17] **Shaun Wallace**, Talie Massachi, Jiaqi Su[†], Dave B Miller, and Jeff Huang. Towards fair and equitable incentives to motivate paid and unpaid crowd contributions. In *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems*, pages 1–32, 2025. [DOI 🌐] *Acceptance Rate: 24.9%* **(CHI'25)**.

[C.16] Namrata Srivastava, Jennifer Healey, Rajiv Jain, Guanli Liu[†], Ying Ma[†], Borano Llana[‡], Dragan Gasevic, Tilman Dingler, and **Shaun Wallace[§]**. Priming at scale: An evaluation of using ai to generate primes for mobile readers. In *Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems*, pages 1–10, 2025. [DOI 🌐] *Acceptance Rate: 32.8%* **(CHI EA'25)**.

[C.15] Talie Massachi[‡], John Roy[†], Lauren Choi[†], Gabriela Hoefer[‡], **Shaun Wallace[§]**, and Jeff Huang[§]. Chirp: The impact of private online self-disclosure on perceived social support. *Proceedings of the ACM on Human-Computer Interaction*, 8(CSCW2):1–25, 2024. [DOI 🌐] *Acceptance Rate: 26.0%* **(CSCW'24)**.

[C.14] Polina Shpilker, Benjamin Stubbs, Michael Sayers, Lenore Cowen[§], **Shaun Wallace[§]**, Alva Couch[§], and Noah M Daniels[§]. Cross-referencing metadata through an extension of the medford language. In *Research Conference on Metadata and Semantics Research*, pages 153–158. Springer Nature Switzerland Cham, 2024. [DOI 🌐] *Acceptance Rate: 49.3%* **(MTSR'24)**.

[C.13] Aleena Gertrudes Niklaus, Tianyuan Cai, Zoya Bylinskii, and **Shaun Wallace[§]**. Digital reading rulers: Evaluating inclusively designed rulers for readers with dyslexia and without. In *Proceedings of the 2023 CHI conference on human factors in computing systems*, pages 1–17, 2023. [DOI 🌐] *Acceptance Rate: 27.6%* **(CHI'23)**.

[C.12] Christopher Tensmeyer, Zoya Bylinski, Tianyuan Cai, Dave Miller, Ani Nenkova, Aleena Niklaus, and **Shaun Wallace[§]**. Web table formatting affects readability on mobile devices. In *Proceedings of the ACM Web Conference 2023*, pages 1334–1344, 2023. [DOI 🌐] *Acceptance Rate: 19.2%* **(WWW'23)**.

[C.11] **Shaun Wallace**, Zoya Bylinskii, Jonathan Dobres, Bernard Kerr, Sam Berlow, Rick Treitman, Nirmal Kumawat, Kathleen Arpin, Dave B. Miller, Jeff Huang, and Ben D Sawyer. Towards individuated reading experiences: Different fonts increase reading speed for different individuals. *Transactions on Computer-Human Interaction*, 29(4):56, 2022. [DOI 🌐] **(TOCHI'22)** *[journal]*.

[C.10] Tianyuan Cai, **Shaun Wallace**, Tina Rezvanian, Jonathan Dobres, Bernard Kerr, Samuel Berlow, Jeff Huang, Ben D Sawyer[§], and Zoya Bylinskii[§]. Personalized font recommendations: Combining ml and typographic guidelines to optimize readability. In *Proceedings of the 2022 ACM Designing Interactive Systems Conference*, pages 1–25, 2022. [DOI 🌐] *Acceptance Rate: 21.5%* **(DIS'22)**.

[C.9] 27***** co-authors contributed equally. Readability research: An interdisciplinary approach. *Foundations and Trends in Human-Computer Interaction*, 16(4):214–324, 2022. [DOI 🌐] **(FnT HCI'22)** *[journal]*.

[C.8] **Shaun Wallace**, Tianyuan Cai, Brendan Le[†], and Luis A Leiva. Debiased label aggregation for subjective crowdsourcing tasks. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts*, pages 1–8, 2022. [DOI 🌐] *Acceptance Rate: 36.0%* **(CHI EA'22)**.

[C.7] Luca Cacciapuoti[‡], Veselin B Kostov, Marc Kuchner, Elisa V Quintana, Knicole D Colón, Jonathan Brande, Susan E Mullally, Quadry Chance, Jessie L Christiansen, John P Ahlers, et al. The tess triple-9 catalog: 999 uniformly vetted exoplanet candidates. *Monthly Notices of the Royal Astronomical Society*, 513(1):102–116, 2022. [DOI 🌐] **(MNRAS'22)**.

[C.6] Rachel V Ball[†], Dave B Miller, **Shaun Wallace**, Kathlyn Camargo Macias, Mahmoud Ibrahim, Ernesto Robalino Gonzaga, Olga Karasik, Dekai R Rohlsen-Neal, Sarah Barrientos, Edward A Ross, et al. Optimizing electronic health records through readability. In *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care*, volume 10, pages 65–70. SAGE Publications Sage CA: Los Angeles, CA, 2021. [DOI 🌐] *Acceptance Rate: 25.0%* **(HFES'21)**.

[C.5] **Shaun Wallace**, Alexandra Papoutsaki, Neilly H Tan[†], Hua Guo, and Jeff Huang[§]. Case studies on the motivation and performance of contributors who verify and maintain in-flux tabular datasets. *Proceedings of the ACM on Human-Computer Interaction*, 5(CSCW2):1–25, 2021. [DOI 🌐] *Acceptance Rate: 38.0%* **(CSCW'21)**.

[C.4] **Shaun Wallace**, Rick Treitman, Jeff Huang, Ben D Sawyer, and Zoya Bylinskii[§]. Accelerating adult readers with typeface: A study of individual preferences and effectiveness. In *Extended abstracts of the 2020 CHI conference on human factors in computing systems*, pages 1–9, 2020. [DOI 🌐] *Acceptance Rate: 41.8%* **(CHI EA'20)**.

[C.3] **Shaun Wallace**, Brendan Le[†], Luis A Leiva, Aman Haq[‡], Ari Kintisch[†], Gabrielle Bufrem[†], Linda Chang[†], and Jeff Huang[§]. Sketchy: Drawing inspiration from the crowd. *Proceedings of the ACM on Human-Computer Interaction*, 4(CSCW2):1–27, 2020. [DOI 🌐] *Acceptance Rate: 41.0%* **(CSCW'20)**.

[C.2] **Shaun Wallace**, Hua Guo[‡], and David Sasson[‡]. Visualizing self-tracked mobile sensor and self-reflection data to help sleep clinicians infer patterns. In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems*, pages 2194–2200, 2017. [DOI 🌐] *Acceptance Rate: 38.7%* **(CHI EA'17)**.

[C.1] **Shaun Wallace**, Lucy Van Kleunen[†], Marianne Aubin-Le Quere[†], Abraham Peterkin[†], Yirui Huang[†], and Jeff Huang[§]. Drafty: Enlisting users to be editors who maintain structured data. In *Proceedings of the Fifth AAAI Conference on Human Computation and Crowdsourcing*, HCOMP, pages 187–196, Menlo Park, CA, USA, 2017. AAAI. [DOI 🌐] *Acceptance Rate: 28.9%* **(HCOMP'17)**.

Refereed Posters, Demos, and Abstracts (Peer Reviewed)

[P.12] Benjamin Stubbs[‡], Polina Shpilker, Michael Sayers[‡], Yumin Lee[†], Lenore Cowen, Donna Slonim, Alva Couch, Noah M Daniels, and **Shaun Wallace[§]**. Medford in a box: Demonstrating the improvements and future directions for a metadata description language. 2026. **(ISMB BOSC'26)** *(*to appear).

[P.11] Marcin Pawlukiewicz[‡] and **Shaun Wallace[§]**. Sea-u-lator: Privacy preserving social engineering attack simulator for gmail. In *Proceedings of the 2026 Conference on Human Information Interaction and Retrieval*, pages 340–344, 2026. [DOI] **(CHIIR'26)**.

[P.10] Borano Llana[‡], Alisa Baron, Kushas Khadka[‡], Yusra Suhail[‡], and **Shaun Wallace[§]**. Typography and pupilometry: Exploring the speed, comprehension, and concentration trade-off in reading. *Journal of Vision*, 25(9):2470–2470, 2025. [DOI] **(VSS'25)**.

[P.9] Dave B Miller and **Shaun Wallace[§]**. Research methods for people in a hurry. In *Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems*, pages 1–3, 2025. [DOI] **(CHI Course'25)**.

[P.8] Benjamin Stubbs[‡], Polina Shpilker[‡], Michael Sayers[‡], **Shaun Wallace[§]**, Noah M Daniels[§], and Alva Couch[§]. Anvilmedford: Documenting cloud-based analysis projects using the medford metadata language. In *2024 IEEE International Conference on Big Data (BigData)*, pages 3158–3162. IEEE, 2024. [DOI] **(IEEE BigData'24)**.

[P.7] Kurtuluş Mert Küçük[†], Rashid Md Mamunur[‡], Veronica Penkova, Amy Giroux, Nilsu Atılgan, **Shaun Wallace[§]**, Sam Berlow, Anna Kosovicheva, Stephanie Day, and Ben D Sawyer[§]. A psychophysical approach for investigating format readability online. *Journal of Vision*, 24(10):1022–1022, 2024. [DOI] **(VSS'24)**.

[P.6] **Shaun Wallace[§]**. Asynchronous collaboration systems for evolving information. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts*, pages 1–5, 2022. [DOI] **(CHI DC'22)**.

[P.5] Dave B Miller and **Shaun Wallace[§]**. Research methods for people in a hurry: An introduction to research methods in computer-human interaction, psychology, and human factors. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts*, pages 1–3, 2022. [DOI] **(CHI Course'22)**.

[P.4] **Shaun Wallace[§]**, Jonathan Dobres, Zoya Bylinskii, and Ben Sawyer. Space for readability: effects on reading speed from individuated character and word spacing. *Journal of Vision*, 22(14):3349–3349, 2022. [DOI] **(VSS'22)**.

[P.3] **Shaun Wallace[§]**, Jonathan Dobres, and Ben D Sawyer. Considering the speed and comprehension trade-off in reading mediated by typography. *Journal of Vision*, 21(9):2249–2249, 2021. [DOI] **(VSS'21)**.

[P.2] Aleena Watson and **Shaun Wallace[§]**. Improving reading outcomes using digital reading rulers for readers with & without dyslexia. *Journal of Vision*, 21(9):2650–2650, 2021. [DOI] **(VSS'21)**.

[P.1] **Shaun Wallace[§]**, Rick Treitman, Nirmal Kumawat, Kathleen Arpin, Jeff Huang, Ben Sawyer, and Zoya Bylinskii[§]. Individual differences in font preference & effectiveness as applied to interlude reading in the digital age. *Journal of Vision*, 20(11):412–412, 2020. [DOI] **(VSS'20)** *(also as invited talk)*.

Refereed Workshop Papers and Other Juried Publications

[W.9] Yusra Suhail[‡], Kushas Khadka[‡], Borano Llana[‡], Maedeh Hosseinpour[‡], Emory Salaun[‡], and **Shaun Wallace[§]**. Different font attributes influence english readers' perception of font size across age groups. In *CHI 2026 Workshop on Science and Technology for Augmenting Reading (STAR)*, pages 1–6, Barcelona, Spain, 2026. [URL] **(CHI STAR'26)**.

[W.8] ThaoAn Lily Nguyen[†], Borano Llana[‡], Jonathan Piccoli[†], Yusra Suhail[‡], Maedeh Hosseinpour[‡], and **Shaun Wallace[§]**. Rears: An interface for browser-based eye-tracking in remote readability studies. In *CHI 2026 Workshop on Science and Technology for Augmenting Reading (STAR)*, pages 1–4, Barcelona, Spain, 2026. [URL] **(CHI STAR'26)**.

[W.7] Maedeh Hosseinpour[‡], Borano Llana[‡], Yusra Suhail[‡], Kushas Khadka[‡], Grant Garcia[†], and **Shaun Wallace[§]**. One reader, two reading profiles: Language-dependent dyslexia and reading behaviors in english-spanish readers. In *CHI 2026 Workshop on Science and Technology for Augmenting Reading (STAR)*, pages 1–5, Barcelona, Spain, 2026. [URL] **(CHI STAR'26)**.

[W.6] Jenny You[†], Maedeh Hosseinpour[‡], and **Shaun Wallace[§]**. Towards a configurable data cleaning assistant for interactive ai-driven tabular data verification and improvement. In *Proceedings of the 2026 Innovation and Applications in Business Systems Conference*, 2026. **(IABS'26)** *(to appear)*.

[W.5] Max Mercurio[†], Maedeh Hosseinpour[‡], and **Shaun Wallace[§]**. Myknowledge: An auditable rule-based pipeline for turning organizational text into knowledge graphs. In *Proceedings of the 2026 Innovation and Applications in Business Systems Conference*, 2026. **(IABS'26)** *(to appear)*.

[W.4] Syed Habib Ali Shah[‡] and **Shaun Wallace[§]**. Friendlyco2: A privacy-preserving browser intervention to measure and nudge digital carbon footprints. In *Proceedings of the 2026 Innovation and Applications in Business Systems Conference*, 2026. **(IABS'26)** *(to appear)*.

[W.3] L Cacciapuoti, VB Kostov, M Kuchner, EV Quintana, KD Colon, J Brande, SE Mullally, Q Chance, JL Christiansen, JP Ahlers, et al. Vizier online data catalog: Tess triple-9 catalog (cacciapuoti+, 2022). *VizieR Online Data Catalog*, 751:J–MNRAS, 2025. [URL] **(VizieR'25)**.

[W.2] Tilman Dingler, Namrata Srivastava, and **Shaun Wallace**. Generative primes and summaries for reading in distractive environments. In *MUM Workshops*, 2023. [URL] **(AMSWS'23)**.

[W.1] Stephanie L Day, Amy Giroux, **Shaun Wallace**, Rick Treitman, Kathy Crowley, Marjorie Jordan, and Ben D Sawyer. The effect of font formats on reading speed and comprehension in grades 3–5. In *Society for the Scientific Study of Reading (SSSR) Annual Conference*, 2022. [URL] **(SSSR'22)**.

Panels and Workshops Organized

[O.2] Leonard Khan, Jegoo Lee, Niurka Quinteros, **Shaun Wallace**, and Sandra Waddock. Social Implications of Quantum Computing. 2026 Innovation and Applications in Business Systems Conference, 2026. **(IABS'26)**

[O.1] Nilsu Atilgan, **Shaun Wallace**, Ben D Sawyer. Readability Workshop 2: Inclusive Metrics and Design. Vision Sciences Society. [URL 🌐] **(VSS'25)**

Mentoring & Advising

PhD Students' Primary Advisor (Major Professor)

Francisco Xavier Alves Pereira: University of Rhode Island *2026–Present*

Yusra Suhail: University of Rhode Island *2025–Present*

Maedeh Hosseinpour: University of Rhode Island *2024–Present*

Borano Llana: University of Rhode Island *2024–Present*

Master's Students' Primary Advisor (Major Professor)

Osman Barrie: Collaborations Recommendations for Undergraduate CS Classes *Exp. 2027*

Peter Finch: Ability of UniXcoder and GraphCodeBERT Models to Detect Semantic Code Clones *Exp. 2027*

Emory Salaun: AIRRI: AI-Resilient Reading Interfaces *Exp. 2026*

Francisco Xavier Alves Pereira: Calliopeion and the Ariadne Web App: Human-AI Tools for Greek Poetic Scansion and Ancient Text Reconstruction *May 2026*

Yusra Suhail: Font Normalization: An Investigation of How Different Populations Perceive Size *Oct 2025*

Kushas Khadka: ESL and Non-ESL Readers Across Cognitive Styles Read AI-Summarised Voter Pamphlets Slower *Aug 2025*

Graduate Thesis Committees

Emily Light (Ph.D.): Bioinformatics and Citizen Science *Exp. 2028*

Abbie Levinson (Ph.D.): Exploring Associations Between Eye-Tracking Measures of Rapid Automatized Naming and Behavioral Reading Performance in Children with ADHD *Exp. 2026*

Surbhi Rathore (Ph.D.): Machine Learning Fairness Benchmarks *Exp. 2026*

Piriyankan Kirupaharan (Ph.D.): Designing Accessible Virtual Reality Experiences for Adults with Intellectual and Developmental Disabilities *Exp. 2026*

Liam Cannon (M.S.): The Bodhi App: A Self-Care App Designed for People with Intellectual and Developmental Disabilities *Apr 2025*

Md Mamunur Rashid (Ph.D.): Typography and English as a Second Language (ESL) Reading: Impact of Variable Font Width, Letter Spacing, & Line Spacing on Reading Performance & Experience *Nov 2024*

David Perrone (M.S.): Visualization of High-Dimensional Data in Low-Dimensional Space via Clustered Manifold Mapping *Apr 2024*

Undergraduate and Graduate Research Assistants Advised

1 Co-Authored Published Paper; 2 Developed Open-Source Software; 3 Won Award/Scholarship

Courtney Wakim[3]: University of Rhode Island *2026–Now*

Alex M Farland: University of Rhode Island *2026–Now*

Ryan Brooks[2]: University of Rhode Island *2025–26*

Jonathan Piccoli[1,2]: University of Rhode Island *2026*

Kat Toolan[3]: University of Rhode Island *2025–Now*

Genevieve Drouin[2]: University of Rhode Island *2025*

Simeon Larinde[3]: University of Rhode Island *2025–26*

Matthew McCune[2]: University of Rhode Island *2025*

Lex Garcia[1,2]: University of Rhode Island *2025–26*

Lily Nguyen[1,2,3]: University of Rhode Island *2025–26*

Jenny You[1,2]: University of Rhode Island *2025*

Parker Holland[1,2,3]: University of Rhode Island *2025–Now*

Aidan Leach[2,3]: University of Rhode Island *2024–Now*

Liam Washburn[2,3]: University of Rhode Island *2024–25*

Brandt Ogden[2,3]: University of Rhode Island *2024–25*

Jacob Hyun[2]: University of Rhode Island *2024–25*

Sean Phelan: University of Rhode Island *2024*

Shina Adewumi[2]: University of Rhode Island *2024–25*
Nadia Sousa: University of Rhode Island *2024–25*
Marcin Pawlukiewicz[1,2,3]: University of Rhode Island *2024–25*
Max Mercurio[1,2]: University of Rhode Island *2024–25*
Reid Morin: University of Rhode Island *2024*
Maedeh Hosseinpoour[1,2]: University of Rhode Island *2024–Now*
Borano Llana[1,2]: University of Rhode Island *2024–Now*
Michael Sayers[1,2]: University of Rhode Island *2024*
Kushas Khadka[1,2,3]: University of Rhode Island *2023–25*
Yusra Suhail[1,2]: University of Rhode Island *2023–Now*
Jiaqi Su[1,2]: Brown University *2022*
Long Do[1,2]: Brown University *2020–21*
Diana Lee[1,2]: Brown University *2019–21*
Alice Marbach[2]: Brown University *2020*
Matthew Bejtlich: Rhode Island School of Design *2019–20*
Zhengyi Peng[1,2]: Brown University *2019–20*
Brendan Le[1,2]: Brown University *2018–19*
Michael Bardakji: Brown University *2019*
Neilly Tan[1,2]: Brown University, **now PhD student at Univ. of Washington** *2018–19*
Ari Kintisch[1,2]: Brown University *2018*
Andrew Park: Brown University, **now a PhD Student at CMU** *2018*
Gabrielle Bufrem[1]: Brown University *2017–18*
Aman Haq[1,2]: Brown University *2017–18*
Linda Chang[1,2]: Brown University *2017*
Aarthi Anbalagan[2]: Brown University *2017*
Abraham Peterkin[1]: Brown University *2017*
Yirui Huang*[1]: Brown University & Univ. of Toronto, *now at Univ. of Edinburgh* *2017*
Marianne Aubin-Le Quere[1,2,3]: Brown University, **now faculty at University of Illinois** *2016*
Lucy Van Kleunen[1,2,3]: Brown University, **now PostDoc at KU Leuven Kulak** *2016*

Awards

Public Policy Fellow: SSIREP *2026*
Choudary Thesis Award: Graduate Advisee: Francisco Xaxier Alves Pereira at URI *2026*
illumi Award: UserTesting.com *2022*
Fast Company's Annual List of World-Changing Ideas: Fast Company *2021*
1st Place in the Just Do It Category – Digital Reading Rulers: Adobe Hackweek *2020*
Sigma Xi Honor Society: Brown University *2020*
Graduate Fellowship: Brown University *2017*
President's Letter for Academic Excellence: University of Limerick *2009*
Golden Key International Honor Society: University of Rhode Island *2008*
Beta Gamma Sigma Honor Society: University of Rhode Island *2004*

Invited Talks

Brown University NSF REU: PhD Alumni Panel *2026*
Hacking Interfaces and Human Perception: Hackathon at University of Rhode Island *2026*
NASA Cit Sci Leader Series: Why do they do it? Motivations of paid and unpaid participants *2024*
The Vision Science of Digital Readability: Community-Building Workshop: Towards Controlling the Physical Size of Text on Different Screens *2024*
Brown University: Human-Centered Experiential Technologies *2024*
AI Summit at the University of Rhode Island: Nurturing Critical Thinking in the Age of Generative AI: a dialog on educational strategies *2024*
The Readability Consortium: Monthly Sync: Font Size Normalization: Why it Matters? *2024*

Apple: Readability Research and Personalization *2023*
Skoll World Forum: Building Better Reading Through Personalized Digital Text *2022*
Adobe for Education Summit: Readability Session *2022*
Adobe Tech Summit: Inventing Beyond Barriers: Readability Research & Impact *2021/22*
Adobe Readability Research Symposium: Personalizing Fonts to Increase Reading Speed *2021*
Adobe Education Leadership Summit: Personalized Formatting for Better Readability *2021*
University of Central Florida: HCI Course, Building Collaborative Research Systems *2019*
Microsoft NERD: Quantified Self on Personal Informatics: N=1: Food and Drink Effects on Weight *2015*

Selected Press & Media Coverage

Google Fonts: How type influences readability *2024*
University of Rhode Island: URI engineering professor working to make voting processes run smoothly *2024*
Run: Outside Interactive, Inc: Can ChatGPT Train Me for the Boston Marathon? *2024*
Readability Matters: Readability Community Interview: Dr. Shaun Wallace *2023*
The Washington Post: What's your type? Try these tests to pick the perfect font for you *2023*
Readability Matters: Research Highlight: Digital Reading Rulers *2020*
Nielsen Norman Group: Best Font for Online Reading: No Single Answer *2022*
Prolific: Conduct your best research *2022*
Fast Company: Are some fonts ageist? *2022*
Adobe: Blog post: Readability Research: This New Field Can Help Us All Read Better *2022*
Adobe: Blog post: Read different: User-centered approaches improve reading for all *2021*
Adobe: Blog post: Re-imagining Reading *2021*
Readability Matters: A Collaborative Interdisciplinary Readability Research Approach *2021*
Readability Matters: Optimizing Electronic Health Records Through Readability *2021*
Hacker News: Computer Science Open Rankings *2021*
South by Southwest: Digital Reading Rulers: * Presented by Collaborator *2021*
Axe-Con: Virtual Readability Lab & Digital Reading Rulers: * Presented by Collaborator *2021*
Adobe MAX: This Changes Everything: New Approaches to Reading: * Presented by Collaborator *2020*
Fast Company: Finalist for Fast Company's Annual List of World-Changing Ideas *2020*
EdTech Center World Education: Readability Features & Technology for Better Reading *2020*
Readability Matters: Individual Differences in Font Preference & Effectiveness *2020*
Readability Matters: Using the Virtual Readability Lab with College Students *2020*
Readability Matters: Virtual Readability Lab Launched *2020*
Readability Matters: Accelerating Adult Readers With Typeface *2020*
Readability Matters: Towards Readability Individuation *2019*

Service

Program Committees

Area Chair: CHI. *2025, 2026*
PC Member: CIKM. *2026*
PC Member: WWW Dev. *2018*

External Reviewer

Reviewer: CHI. *2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026*
Reviewer: CHI LBW. *2017, 2020, 2025, 2026*
Reviewer: CHI Play. *2019*
Reviewer: CIKM. *2020, 2026*
Reviewer: CSCW. *2020, 2021, 2022, 2023, 2025, 2026*
Reviewer: DIS. *2025, 2026*

Reviewer: HCOMP. *2017, 2019, 2026*
Reviewer: CI. *2026*
Reviewer: IJHCI. *2020,2023*
Reviewer: IMWUT. *2026*
Reviewer: SIGIR. *2018*
Reviewer: UIST. *2018, 2021, 2025*
Reviewer: WWW Dev. *2018*

Grant Proposal Reviewer

Grant Reviewer: The Rhode Island IDeA Network of Biomedical Research Excellence (RI-INBRE) . *2026*

University-level Service

Chair of Technology & Infrastructure Committee: University of Rhode Island, Faculty Senate. *2025, 2026, 2027*
Member of IT Governance: University of Rhode Island. *2025, 2026, 2027*
Member of LMS Working Group: University of Rhode Island. *2026*
Member of Curriculum & Standards Committee: University of Rhode Island, Faculty Senate. *2024, 2025*
Member of Faculty Senate: University of Rhode Island *2024–2027*

Department-level Service

Chair of the Web Committee: University of Rhode Island, Dept. of Computer Science & Statistics. *2025, 2026*
Member of Advisory Council: University of Rhode Island, Dept. of Computer Science & Statistics. *2024, 2025, 2026*
Member of Graduate Committee: University of Rhode Island, Dept. of Computer Science & Statistics. *2023, 2024*

Community Volunteering

Session Leader: AI Technology Applications at the Innovation and Applications in Business Systems Conference. *2026*
STEM Day Volunteer: Frenchtown Elementary, East Greenwich, RI. *2026*
Workshop Leader: Pathways to Success in Computer Science, University of Rhode Island. *2025*
Industry Panel Organizer: Crowdstrike and MojoTech, University of Rhode Island. *2025*
Workshop: Pathways to Success in Computer Science, University of Rhode Island. *2024–25*
Guest Reader: CS Topics and Stories, Frenchtown Elementary, East Greenwich, RI. *2025*
Guest Reader: Build-a-Book Activity using genAI, Frenchtown Elementary, East Greenwich, RI. *2024*
PhD Office Hours: Brown University. *2021–22*
First Year PhD Mentorship Program: Brown University. *2017–18*
Student Volunteer: HCOMP. *2017*