

Dashiel Carrera

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EDUCATION

Ph.D., Fully Funded
University of Toronto, Toronto, ON 2026 (Prospective)
Computer Science, Human-Computer Interaction

M.Sc., Fully Funded
University of Toronto, Toronto, ON 2023 (Equivalent)
Computer Science, Human-Computer Interaction, 4.0 GPA

M.F.A., Fully Funded
Virginia Polytechnic Institute and State University, Blacksburg, VA 2021
Fiction, New Media Writing, 4.0 GPA

A.B., With Honors 2017
Brown University, Providence, RI
Literary Arts, Computer Science

RESEARCH

DGP Lab, University of Toronto ([link](#)) Current
Graduate Research Assistant, under Pfr. Daniel Wigdor

- Researching AI-Human Collaboration by developing new metaphors for mental models of AI systems
- Art-science collaboration, participatory design, community workshops, machine learning systems

Intelligent Adaptive Interventions Lab, University of Toronto ([link](#)) Fall 2021
Graduate Research Assistant, under Pfr. Joseph Jay Williams

- Researched adaptive explanations in Computer Science coursework using Multi-Armed Bandit algorithms
- A/B tested a variety of different linguistic and design factors to maximize student attention and comprehension

Echo Lab, Virginia Tech ([link](#)) Winter 2020-Spring 2021
Graduate Research Assistant, under Pfr. Sang Won Lee

- Researched the effects of watching real-time writing process playback on reading comprehension and user engagement
- Developed web modules, created user study survey, and conducted ethnographic research interviews with writers (JavaScript, CodeMirror, AmazonTurk)
- Carrera, Dashiel, Lee, Sang Won. "Watch Me Write: Revealing Creative Process with Writing Replay" Creativity & Cognition 2022.

metaLAB at Harvard ([link](#)) Summer 2017
Digital Humanities Research Intern, under Pfr. Jeffrey Schnapp

- Wrote article on the use of LDA topic modeling to generate novel academic disciplines for course search based on Harvard's corpus of course data (SciPy, NLTK, gensim)

- Created website that enables users to visually explore 100 years of Harvard's educational data (Elasticsearch, PostgreSQL)

Opera of the Future, MIT Media Lab ([link](#))

Summer 2014

Research Developer, under Pfr. Tod Machover

- Developed interface and communication modules for OSC and other protocols networked together for live production system (JavaScript)
- System later used as part of Ariana Grande Honeymoon Tour

NEXA Center for Internet and Society ([link](#))

Fall 2012

Research Developer, under Dr. Simone Basso

- Developed modules client-side for [TellMeFirst](#), tool for enriching textual documents via Linked Open Data (JavaScript, HTML, CSS)
- Developed new data storage system and frontend module for [Neubot](#), net neutrality monitoring system (Python, JavaScript, HTML, CSS, sqlite)

Mirny Lab, MIT ([link](#))

January 2011 to September 2012

PRIMES Computational Biology Researcher, under Pfr. Leonid Mirny

- Made computer model that found role of cell fusion in cancer; presented at MIT (Python, SciPy, Computing Cluster)

ACADEMIC PUBLICATIONS

Peer Reviewed Papers

1. **Carrera, Dashiel**, Bhattacharjee, Gitanjali, Robert Soden. "We're Not Decorators: Understanding Art-Science Collaboration Through Artist in Residency Programs in STEM Organizations." In *Design of Interactive Systems*. Pittsburgh, Pennsylvania 2023.
2. **Carrera, Dashiel**, Ovienmhada, Ufuoma, Hussein, Safa, and Robert Soden. "The Unseen Landscape of Abolitionism: Examining the role of digital maps in grassroots organizing." In *Computer Supported Cooperative Work*. Minneapolis, Minnesota 2023.
3. **Carrera, Dashiel**, Lee, Sang Won. "Watch Me Write: Revealing Creative Process with Writing Replay" In *Creativity & Cognition*. Venice, Italy 2022.
4. Thompson, Tyechia, **Carrera, Dashiel**. "Afrofuturist Intellectual Mixtapes: A Classroom Case Study" In *Digital Humanities Quarterly*. Boston, MA, 2021.

Lightly Reviewed Papers

1. **Carrera, Dashiel**, Soden, Robert, Daniel Wigdor. "Beyond Intelligence: Finding New Metaphors for AI through a Collaborative Workshop with Artists and Scholars" Towards Mutual Benefit: Reflecting on Artist Residencies as a Method for Collaboration, DIS Workshop. Pittsburgh, PA 2023.
2. Dietz, Paul H, **Carrera, Dashiel**, Alford, Gienr Jenifer, Cornelius, Abbie, Brockman, Jay, and Daniel Wigdor. "Elementary Paper Animatronics" SIGGRAPH Workshop. Los Angeles, CA 2023.

3. **Carrera, Dashiell**, Ovienmhada, Ufuoma, Hussein, Safa, and Robert Soden. “Roadmap to Abolition: A Counter-mapping Project to Advance Understanding of the Theory and Practice of Abolition” In There is No Justice, Just US, CHI Workshp. New Orleans, LA 2022.

Other

1. **Carrera, Dashiell**. “Finding the Missing Departments: Topic Modeling in the Harvard Course Catalog” In Harvard’s metaLab medium. Cambridge, MA, 2017.

GRANTS & AWARDS

ACADEMIC

School for Poetic Computation Scholarship, \$500

Received scholarship from School for Poetic Computation for course “Cellular Automata: Code Beyond Words.”

Computer Science Departmental Fellowship, \$1355 CAD

For students in good academic standing.

Entanglements Network 2023

Elected to global collective of interdisciplinary poets, scientists, artists, and scholars who forge innovative initiatives across poetry, science, and the arts, including Anne Walkdman, Raw Armantrout, Nick Montfort, and others.

Massey College Junior Fellowship 2023

Elected Junior Fellow at Massey College, a cross-disciplinary community at University of Toronto. One of 20 accepted for resident fellowship.

ACM SIGCHI Gary Mardsen Travel Award 2022, \$1390

Received travel grant to present paper “Watch Me Write: Revealing Creative Process with Writing Replay” at Creativity & Cognition in Venice, Italy.

University of Toronto School of Cities Grant 2022, \$500CAD

Received grant to perform interview study with prison and police abolitionists in North America on their concerns and desires for visibility in digital mapping tools.

University of Toronto Mississauga Travel Grant 2022, \$2500 CAD

Received travel grant to present paper “Watch Me Write: Revealing Creative Process with Writing Replay” at Creativity & Cognition in Venice, Italy.

University of California, Santa Cruz Chancellor’s Award 2022, \$30,000 (declined)

UCSC’s highest fellowship honor. Awarded to PhD applicants by nomination from department and selection of Graduate Council.

University of Toronto Graduate Research Fellowship, Department of Computer Science 2021, \$26,229 CAD per year

Fully funded to conduct Human-Computer Interaction research at the University of Toronto through a research fellowship.

MIT Feminist Future Hackathon 2021, \$500

Received stipend to participate in month-long social justice hackathon at MIT.

National Merit Finalist 2011

Given to top 1% of PSAT scorers nationally with an outstanding high school academic record.

National Merit Hispanic Scholar 2011

Given to top PSAT scorers nationally who identify as Hispanic or Latinx.

ARTISTIC

Entanglements Network 2023

Elected to global collective of interdisciplinary poets, scientists, artists, and scholars who forge innovative initiatives across poetry, science, and the arts, including Anne Walkdman, Raw Armantrout, Nick Montfort, and others.

International Initiative Grant 2023, \$450

Received additional funding to display *Zoología Fantástica in the Mist* downtown to promote international learning and cross-cultural empathy.

Institute for Creativity, Arts, and Technology Student Seed Grant 2019, \$1000

Interactive 3D model and bilingual storytelling adaptation of Jorge Luis Borges's *Zoología Fantástica* projected onto fog. (Three.js, Logic, Ableton)

New Media Writing Student Writing Prize 2018, Finalist

For "Victoria Park Found Dead at 45," an expansive network of faux-NYTimes obituaries, funeral testimonials, videos, music, and interactive electronic literature.

Dzanc Book Prize 2018, Longlist

For novel manuscript *The Deer*, out September 2022 from Dalkey Archive Press.

Virginia Tech Graduate Teaching Fellowship 2018, \$20,700 per year

Fully funded for Masters of Fine Arts in Creative Writing through a teaching fellowship.

Brown University Creative Arts Council Grant 2014, \$1000

Customized light waterfall pattern generated based on ID swipe mapped realtime to RGB NeoPixels. (Processing, Arduino)

HackPrinceton Crowd Favorite 2013, \$1000

Received prize for creation of PersonalRave, a mask which maps the light intensity in the surrounding environment to a series of secondary colors for the wearer of the mask. (Arduino)

HackCooper 2nd Place 2011, \$666

HighFrequencyStrealing: 2 player speed reaction game where every round the loser automatically makes a small Venmo transfer to the loser. (Arduino, Processing, GoogleAppEngine, Python)

Emily Morrison Prize in Poetry 2020, 1st Place, \$1000

Judged by Magdalena Zurawski who said, "A fraught surrealism deftly assembles these imagistic poems into landscapes of failed psychic escapes."

WXIN Rock Hunt 2016, 1st Place, \$1000

Received grand prize of \$1000 for winning Providence battle of the bands with my band Feng Shui Police.

TEACHING

University of Toronto

Classroom TA CSC 148H1S Introduction to Computer Science Spring 2023

- Lead office hours and provide classroom support for course on data structures, inheritance, and software design

Tutorial TA ENG 286H1 Literature and Data Fall 2022

- Lead tutorial for introductory Computer Science course for English students
- Lead discussions on politics of data, data analysis of literature, distant reading, and other topics

Tutorial TA INF 2178 Experimental Design for Data Science (Grad level) Spring 2022

- Lead tutorial for graduate level course examining the implementation and policy implications of different data science algorithms
- Instructed students on introductory programming with Pandas and Jupyter Notebook, ANOVA, T-tests, and more

Tutorial TA CSC 119 Intelligence: Artificial and Human Spring 2022

- Lead tutorials on the ethical implications of artificial intelligence, as presented in philosophy, history, and literature
- Provide feedback on student papers

Tutorial TA CSC 110 Foundations of Computer Science I Fall 2021

- Led tutorials and helped students with coding and computational complexity proofs (Python, Big-O)

Virginia Polytechnic Institute and State University

Instructor ENGL 2744 Creative Writing (Online) Spring 2021

- Wrote lesson plans, created syllabus, lectured, led discussion, and gave feedback on 20 students' creative works
- Taught CNF, poetry, fiction, and New Media writing

Instructor ENGL 5974 Editing a Digital Journal (Grad level) Spring 2020

- Led graduate seminar and practicum on editing a journal devoted to New Media and Electronic Literature
- Taught Introductory Web Programming (HTML/CSS)

TA ENGL 2744 Creative Writing Spring 2020

- Led lectures, discussions and provided individual feedback as part of course on CNF, poetry, fiction, and playwriting

Instructor ENGL 1105: Intro to Composition (Online/In Person) Fall 2019, 2020

- Wrote lesson plans, created syllabus, lectured, led discussions, and gave feedback to 20 students from a variety of cultural and disciplinary backgrounds
- Created course website

- Taught students basic website creation to deploy as part of course project

TA ENGL 4684 Afrofuturism: To Vibranium and Beyond

Spring 2019

- Co-Directed interactive audio visual installation based on student mixtapes in the Cube at Moss Art Center, a 360 spatial audio performance center
- Co-Directed installation in Newman Library on imagined future devices that could provide social impact
- Led discussions and taught classes on creative process

Guest Teaching or Lectures

Introduction to Creative Non Fiction, Virginia Tech.

Fall 2019

Mentorship

Safa Hussein, Undergraduate.

2022-2023

ACADEMIC TALKS

1. *Watch Me Write: Revealing Creative Process with Writing Replay*, Venice, IT, Spring 2022.
Gave talk about writing replay paper at Creativity & Cognition Conference.
 2. *In2Writing Workshop: The First Workshop on Intelligent and Interactive Writing Assistants*, Dublin, IE, Spring 2022.
Invited panelist about the future of writing fiction with AI-assisted writing.
 3. *The Power of Immersive Stories*, Blacksburg, VA, Spring 2021.
Presented immersive 3D immersive retelling of Jorge Luis Borges story “Zoologa Fantastica in the Mist” at Immersive Stories workshop at Virginia Tech.
 4. *Intrepid: The Exploratory Word Processor*, Computers and Writing Conference, Lansing, Michigan, Summer 2019.
Constructed *Intrepid*, dynamic word processor which encourages students to write uninhibited through experimental features: hiding all text except for the current word being typed, text-to-speech in the process of writing.
 5. *Intrepid: The Exploratory Word Processor*, Blue Ridge Corridors Conference, Blacksburg, VA. Fall 2019
Presented survey of student users of *Intrepid*. *Intrepid* was incorporated into Pakistani English classrooms following this presentation.
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ACADEMIC SERVICE

Participant

“There’s no Justice, Just Us” Workshop, *CHI 2022*. (**Competitive Acceptance**)
Absolutely Interdisciplinary (AI), University of Toronto, 2021.
Feminist Futures Hackathon, Attendee, MIT Media Lab, 2021. (**10 % Acceptance**)
Immersive Stories Workshop, Virginia Tech, 2021.
CHI 2021, Virtual, 2021.
UIST 2020, Virtual, 2020.

Invited Reviewer

Creativity and Cognition Conference, 2021.
Digital Humanities Quarterly, 2021.

ARTISTIC PUBLICATIONS

Novels

1. **Carrera, Dashiel** “The Deer: A Novel”, Dalkey Archive Press, McLean, Illinois, September 2022.

Fiction

2. **Carrera, Dashiel** “from The Deer”, Brooklyn Rail, September 2022.
3. **Carrera, Dashiel** “Excerpt from The Deer”, The Offing, September 2022.
4. **Carrera, Dashiel** “Excerpt: The Deer”, Literary Hub, August 2022.
5. **Carrera, Dashiel** “Decoherence”, FENCE, August 2022.
6. **Carrera, Dashiel** “Wave Collapse”, 3:AM Magazine, July 2022.

New Media

7. Bertram, Lillian-Yvonne, **Carrera, Dashiel**, “RawGirlMoney”, objkt.com, 2023.
8. **Carrera, Dashiel** “The Deer: New Media Adaptation” In *The New River: A Journal of Digital Art and Literature*, Blacksburg, VA, 2019.

Non Fiction

9. **Carrera, Dashiel** “Anchor Points and Improvisations: a Conversation Between Jeff Jackson and Dashiel Carrera ” In *Los Angeles Review of Books*, Los Angeles, CA, 2023.
10. **Carrera, Dashiel** “Every Manner of Horror is Just a Google Search Away ” In *Hazlitt*, Toronto, ON, 2022.

11. **Carrera, Dashiell** “The Scent of Light ” In Rain Taxi, Minneapolis, MN, 2022.
12. **Carrera, Dashiell** and Blake Butler “Sentences as Rhizomes: A Conversation ” In BOMB Magazine, Brooklyn, NY, 2022.
13. **Carrera, Dashiell** “Writing By Ear: Dashiell Carrera Interviewed” In X-R-A-Y Literary Magazine, 2022.
14. **Carrera, Dashiell**, Vollmer, Matthew, Tomkinson, Matthew, Carr, Julie, Jean Marc Ah-Sen. “Five Writers on How Writing with Creative Constraints Unlocked Their Projects” In Literary Hub, New York City, New York, 2022.
15. **Carrera, Dashiell**. “Dashiell Carrera’s Playlist for His Novel ‘The Deer’” In largehearted boy, Brooklyn, New York, 2022.
16. **Carrera, Dashiell** “The Water Vanishes: Alexandra Kleeman on *Something New Under the Sun*, ” In Los Angeles Review of Books, Los Angeles, CA, 2021.
17. **Carrera, Dashiell** “Art and Futility: A Review of Juan Cardenas’s *Ornamental*, Translated by Lizzie Davis” In Los Angeles Review of Books, Los Angeles, CA, 2020.
18. **Carrera, Dashiell** “Against the Grain: John O’Brien on the Possible Dalkey Archive/Open Letter Merger” In Los Angeles Review of Books, Los Angeles, CA, 2020.
19. **Carrera, Dashiell** Vipers, Robots, and Cheese Casseroles: Matthew Vollmer on *Permanent Exhibit*, In Los Angeles Review of Books, Los Angeles, CA, 2018.
20. **Carrera, Dashiell** When the Foam Settles: Essentialism in Tech, In The College Hill Independent, Providence, RI, 2015.
21. **Carrera, Dashiell** The Perfect Bubble: The Polynomial Guide to the Universe, In The College Hill Independent, Providence, RI, 2015.

Music

22. **Carrera, Dashiell**, “Simple EP”, 75OrLessRecords, Providence, RI, 2021.
23. **Carrera, Dashiell**, “Plastic Astronauts LP”, 75OrLessRecords, Providence, RI, 2018.
24. **Carrera, Dashiell**, “Plastic Astronauts EP”, 75OrLessRecords, Providence, RI, 2017.
25. **Carrera, Dashiell**, Harris, Evan, “Graduation Sensation”, 75OrLessRecords, Providence, RI, 2017.
26. **Carrera, Dashiell**, Johnson, Hariz, Harris, Evan, “Coffee with the Feng Shui Police EP”, 75OrLessRecords, Providence, RI, 2015.
27. **Carrera, Dashiell**, Johnson, Hariz, Harris, Evan, “Thank You EP”, 75OrLessRecords, Providence, RI, 2015.

Installations

1. *Zoología Fantástica in the Mist*, Moss Art Center, Blacksburg, VA, Spring 2020.
Interactive 3D storytelling adaptation of Jorge Luis Borges's compilation of international fairy tales. (Three.js, Logic, Abelton)
2. *Light Waterfall*, Brown University, Providence, RI, Spring 2014.
Guerrilla install of a light waterfall that generates custom patterns based on swipe of student IDs.
3. *Moon Printer*, Granoff Center for the Arts, Brown University, Providence, RI, Spring 2014.
Receipt printer that printed a stream of the current moon phase every day for a month.

Performances

1. *Death of a Poem: Live Writing Audiovisual Performance*, Electronic Literature Organization, University of Central Florida, Orlando, Florida, Summer 2020 (Cancelled for pandemic).
Performance in which poem is composed live in front of an audience with dynamic temporal typography and sound effects.
2. *The Deer: New Media Adaptation*, Electronic Literature Organization, University College Cork, Cork, Ireland, Summer 2019.
Performed audio-visual adaptation of my novel *The Deer*, later published by Dalkey Archive Press.
3. *Sound of Space: An Interactive Afrofuturist Experience*, The Cube, Blacksburg, VA, Spring 2019.
Co-directed interactive installation with Afrofuturist mixtapes and cyclo-rama projection in a 360 surround sound theater.
4. *Dashiel Carrera solo performance*, Firehouse 13, Providence, RI, Fall 2016.
Performed solo set for 75OrLessRecords benefit gig.
5. *Various Rock Performances*, (The Met, AS220, O'Brien's, The Parlour, News Cafe...), New England, 2014-2016.
Performed over 30 paid performances with my punk band Feng Shui Police.
6. *Practice*, Grant Recital Hall, Brown University, Providence, RI, Spring 2016.
Performed improvised monologue with quadrophonic sound effects and sample overlays.
7. *The Sabateur*, Grant Recital Hall, Brown University, Providence, RI, Spring 2016.
Performed invented instruments made with Leap Motion, guitar, piano, and OSC connected iPads.

8. *Bug Music*, Grant Recital Hall, Brown University, Providence, RI, Fall 2014.
Performed music with automated toy bugs and contact mics.
9. *Hex on Math*, Grant Recital Hall, Brown University, Providence, RI, Fall 2014.
Performed invented instrument made from circuit bent Speak and Math toy.

Literary Events

1. *AWP Signing*, Seattle, WAS, Spring 2023.
Signing as part of book tour for “The Deer.”
2. *Akimbo Bookstore*, Rochester, NY, Fall 2022.
Reading as part of book tour for “The Deer.”
3. *Type Books*, Toronto, ON, Fall 2022.
Reading as part of book tour for “The Deer.”
4. *Third Place Books*, Virtual, Fall 2022.
Reading as part of book tour for “The Deer.”
5. *RiffRaff Bookstore*, Providence, RI, Fall 2022.
Reading as part of book tour for “The Deer.”
6. *McNally Jackson Seaport*, Manhattan, NY, Fall 2022.
Reading as part of book tour for “The Deer.”
7. *Blacksburg Books*, Blacksburg, VA, Fall 2022.
Reading as part of book tour for “The Deer.”
8. *Glossolalia Festival*, Blacksburg, VA, Spring 2021.
Reading at literary festival, both poetry and fiction. Competitive acceptance.
9. *MFAngle Podcast*, Blacksburg, VA, Fall 2019.
Gave interview about navigating artistic process inside and outside of an MFA program.

ARTS EXPERIENCE

Aristic Training

<i>Cellular Automata: Code Beyond Words</i> , Funded School for Poetic Computation, Brooklyn, NY	2023
<i>Audio Production</i> Emory University and Berklee College of Music Coursework in Sound Design and Audio Production	2014

Artistic Jobs

The New River: A Journal of Digital Art and Literature ([link](#)) Fall 2018-Fall 2020
Digital Editor

- Built new website for oldest running Digital Literature magazine in the US
- Edited and selected submissions from Electronic Literature Organization
- Published works by Mez Breeze, Nick Montfort, Serge Bouchardon, Steve Tomassula, and others

The Toymaker ([link](#)) Fall 2016
Sound Designer

- Recorded sound foley for crash sounds
- Mixed and layered audio to create cinematic experience

Digital Bear Entertainment Summer 2015
Audio Engineering Intern

- Ran and mixed recording sessions for recording studio in Cambridge, MA.

WXIN Fall 2014
Local Music Director

- Ran local music department of largest Alternative radio station in Rhode Island
- Ran staff meetings
- Programmed and selected music for airplay and ran live video recording sessions

Wellington Lux Light Festival ([link](#)) Spring 2013
Arts and Software Development Intern

- Built interactive public light exhibits in Wellington, New Zealand
- Constructed mobile web app to present users with map and program of exhibit

OUTREACH Summit ACT Prep Class for 1st Generation College Students Spring 2018

- Taught free ACT Preparatory class for 1st generation college students

MFAngle Podcast Audio Engineer Fall 2019

- Made jingle and served as audio engineer/editor for podcast that helps people of color navigate the creative writing MFA world
- Available on Apple Podcasts and Google Play

PRESS

1. *A Review of The Deer by Dashiel Carrera*, The Collidescope, July 2023.
2. *Sharp Edges of an Echo: A Review of Dashiel Carrera's The Deer*, Ancillary Review of Books, December 2022.

3. *Favorite Authors (And their Books)*, NeonPajamas, December 2022.
4. *Michael J. Seidlinger & Dashiel Carrera*, The Brooklyn Rail, September 2022.
5. *AMA Dashiel Carrera, author of THE DEER, forthcoming Dalkey Archive Press*, Reddit /r/TrueLit, August 2022.
6. *Sonic Pleasures in “The Deer”*, Chicago Review of Books, August 2022.
7. *In his first novel, graduate student Dashiel Carrera explores “what it means to reckon with memory”*, Canada Today, July 2022.
8. *In his first novel, graduate student Dashiel Carrera explores “what it means to reckon with memory”*, UofT News, July 2022.
9. *Schrödinger’s Deer*, Biblioklept, July 2022.
10. *Morning Bites: Revisting James Welch, Dashiel Carrera Excerpted, Dwyer Murphy on Noir Fiction, and More*, Vol1 Brooklyn, July 2022.
11. *Book Reviews by Conor Hultman: “The Deer” by Dashiel Carrera*, The Local Voice, July 2022.
12. *Review of The Deer*, Publisher’s Weekly, June 2022.
13. *Deep Vellum to Relaunch Dalkey Archive in April 2022*, Publisher’s Weekly, November 2021.
14. *Deep Vellum will relaunch the Dalkey Archive this April*, LitHub, November 2021.
15. *Weirdos in a Band Drinking Coffee*, Providence Monthly, December 2015.
16. *Song Premiere: Providence’s Feng Shui Police burst with youthful energy on ‘Try’*, Vanyaland, September 2015.
17. *EP Grab Bag Vol. 93*, SpaceRockMountain, March 2015.