

Education

New York, NY	Columbia University Graduate School of Arts and Sciences
2016	Master of Arts (MA), Department of English and Comparative Literature
Williamsburg, VA	The College of William and Mary
2010	Bachelor of Arts (BA), English and Philosophy, <i>summa cum laude</i>

Professional Positions

New York, NY	Data Visualization and Product Designer
2016 – Current	Two Sigma
New York, NY	Spatial Research Intern
2015 – 2016	Columbia University Graduate School of Architecture, Planning, and Preservation
Brooklyn, NY	Data Visualization Designer and Developer
2015 – 2016	emilyfuhrman.co
Brooklyn, NY	Data Visualization Analyst
2014 – 2015	Huge
New York, NY	Data Visualization Designer and Developer
2012 – 2014	AdFin
Arlington, VA	Consultant, Advanced Analytics
2010 – 2012	Booz Allen Hamilton
Arlington, VA	Intern, Modeling, Simulation, Wargaming, and Analysis
2009	Booz Allen Hamilton

Academic Positions

New York, NY	Lecturer
2017 – Current	Columbia University School of Professional Studies <i>Data Visualization and Design (APAN5500)</i> , graduate-level course.

New York, NY	Teaching Assistant
2016	Columbia University Graduate School of Architecture, Planning, and Preservation <i>Mapping for Architecture, Urbanism, and the Humanities (ARCH6805, ARCH4122)</i> , graduate-level course.
New York, NY	Teaching Assistant
2015	Columbia University Graduate School of Arts and Sciences <i>Borderlands Seminar (HIST8495)</i> , graduate-level course.
New York, NY	Research Fellow
2015	Columbia University Group for Experimental Methods in the Humanities

Fellowships and Research Programs

2009	James Monroe Scholarship Program
2008	William and Mary University of Cambridge Summer Program

Honors and Awards

2010	Phi Beta Kappa Prize , William and Mary Department of English
2009	Phi Beta Kappa Society William and Mary Concerto Competition (First Place) , William and Mary Department of Music
2006	James Monroe Scholar , The College of William and Mary

Solo Exhibitions

2016	<i>Lossless</i> , Ace Hotel New York (in conjunction with Discwoman and MoMA PS1)
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Technical Skills and Proficiencies

Languages	JavaScript (D3.js, Leaflet) , HTML5, Processing. Working knowledge of: Python, R.
Software	Adobe Creative Suite (Photoshop, Illustrator, InDesign) , Sketch, QGIS.
Frameworks	Jekyll .

Select Speaking Engagements

2018	NYU Gallatin School of Individualized Study , <i>The Poetics of Information</i> Two Sigma , Learning and Development Series
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- 2017 Columbia University, *Joyce in the Digital Age*
Data Visualization Summit Boston 2017
Harvard University, *Digital Humanities for Caribbean History: A History Design Studio Workshop*
- 2016 Columbia University Graduate School of Journalism, Lede Program
Columbia University Center for Teaching and Learning, Innovative Teaching Summer Institute (ITSI)
Open Data Science Conference (ODSC) East
Columbia University, *The Art of Data Visualization*

Publications

- Workshops Rogowitz, B., Kwon, B.C., & Fuhrman, E. (2018). "Towards Guidelines and Practices for Teaching Data Visualization."
Presented at *VisGuides: 2nd Workshop on the Creation, Curation, Critique and Conditioning of Principles and Guidelines in Visualization*, IEEE VIS 2018: Berlin, Germany.

Reading Groups

- Participant Arts & Algorithms, Columbia University

Other

- Memberships IEEE
The Long Now Foundation
- Outdoor PADI Open Water Diver