

## Education

New York, NY	<b>Columbia University Graduate School of Arts and Sciences</b>
2016	Master of Arts (MA), Department of English and Comparative Literature
Williamsburg, VA	<b>The College of William and Mary</b>
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
2010 – 2012	Booz Allen Hamilton Advanced Analytics
Arlington, VA	Intern
2009	Booz Allen Hamilton Modeling, Simulation, Wargaming, and Analysis

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

## Fellowships and Research Programs

2009	<b>James Monroe Scholarship Program</b>
2008	<b>William and Mary University of Cambridge Summer Program</b>

## Honors and Awards

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

## Solo Exhibitions

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

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

## Select Speaking Engagements

2018	<b>NYU Gallatin School of Individualized Study</b> , <i>The Poetics of Information</i> <b>Two Sigma</b> , <i>Learning and Development Series</i>
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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