

## 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

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

## ACADEMIC POSITIONS

2017 – Current	Lecturer
New York, NY	Columbia University School of Professional Studies APAN 5800 (1 sem.) <i>Storytelling with Data</i> . Graduate-level course. APAN 5500 (5 sem.) <i>Data Visualization and Design</i> . Graduate-level course.
2016	Teaching Assistant
New York, NY	Columbia University Graduate School of Architecture, Planning, and Preservation ARCH 6805/4122 (2 sem.) <i>Mapping for Architecture, Urbanism, and the Humanities</i> . Graduate-level course.

2015	Teaching Assistant
New York, NY	Columbia University Graduate School of Arts and Sciences HIST 8495 (1 sem.) <i>Borderlands Seminar</i> . Graduate-level seminar.
2015	Research Fellow
New York, NY	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, Piano), 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, Figma, Tableau, QGIS.
Frameworks	Jekyll.

## SELECT SPEAKING ENGAGEMENTS

2018	Invited Speaker, "Textual Topographies and Procedural Residue," <i>The Poetics of Information Symposium</i> , NYU. Invited Speaker, "Introduction to Data Visualization," Learning and Development Series, Two Sigma.
2017	Invited Speaker, "Visualizing Joyce's <i>Ulysses</i> : "Sirens" as a Graphic Score," <i>Joyce in the Digital Age</i> , Columbia University. Invited Speaker, "A User-Centered Approach to Data Visualization," Data Visualization Summit 2017, Boston. Invited Speaker, "In the Same Boats: Geographic Visualization Considerations," <i>Digital Humanities for Caribbean History: A History Design Studio Workshop</i> , Harvard University.

- 2016    Invited Speaker, “Unstable Spaces: Autonomous Data and Graphical Accountability,” Lede Program, Columbia University Graduate School of Journalism.
- Invited Speaker, “Visualization and Information Design,” Innovative Teaching Summer Institute (ITSI), Columbia University Center for Teaching and Learning.
- Invited Speaker, “Data Visualization for Social Good: The Building Ownership Project,” Open Data Science Conference (ODSC) East, Boston.
- Invited Speaker, “Encoding Ambiguity: Visualizing Qualitative Relationships and Uncertain Values,” *The Art of Data Visualization*, Columbia University.
- Workshop Leader, “Introduction to D3.js,” *The Art of Data Visualization*, Columbia University.

## **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

## **INTERESTS AND QUALIFICATIONS**

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