EMILY FUHRMAN

ef2512[at]columbia.edu
+1 703 489 4405
emilyfuhrman.co

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, *summa cum laude* Phi Beta Kappa, James Monroe Scholar

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.) *Storytelling with Data.* Graduate-level course. APAN 5500 (5 sem.) *Data Visualization and Design.* Graduate-level course.
2016	Teaching Assistant
New York, NY	**Columbia University Graduate School of Architecture, Planning, and Preservation**
	ARCH 6805/4122 (2 sem.) *Mapping for Architecture, Urbanism, and the Humanities*. Graduate-level course.

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2015

New York, NY

Teaching Assistant

Columbia University Graduate School of Arts and Sciences

HIST 8495 (1 sem.) *Borderlands Seminar*. Graduate-level seminar.

FELLOWSHIPS AND RESEARCH PROGRAMS

2015   Research Fellow, Columbia University Group for Experimental Methods in the Humanities

2009   James Monroe Scholar Program Research Grant

2008   William and Mary University of Cambridge Summer Program

2005   Brevard Music Center (BMC) Piano Program

2004   Boston University Tanglewood Institute (BUTI) Young Artists Piano Program (YAPP)

HONORS AND AWARDS

2010   Phi Beta Kappa Prize, William and Mary Department of English

2009   Phi Beta Kappa Society

First Place (Piano), William and Mary Concerto Competition, William and Mary Department of Music

2006   James Monroe Scholar, The College of William and Mary

SOLO EXHIBITIONS

2016   *Lossless*, Ace Hotel New York (in conjunction with Discwoman and MoMA PS1)

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," *The Poetics of Information Symposium,* NYU.

Invited Speaker, "Introduction to Data Visualization," Learning and Development Series, Two Sigma.

2017   Invited Speaker, "Visualizing Joyce's *Ulysses:* 'Sirens' as a Graphic Score," *Joyce in the Digital Age*, Columbia University.

Invited Speaker, "A User-Centered Approach to Data Visualization," Data Visualization Summit 2017, Boston.

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Invited Speaker, "In the Same Boats: Geographic Visualization Considerations," *Digital Humanities for Caribbean History: A History Design Studio Workshop,* 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