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
2015 – 2016	Teaching Assistant
New York, NY	**Columbia University**

HONORS AND AWARDS

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

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2009   Phi Beta Kappa Society, Alpha Chapter of Virginia

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

2006   James Monroe Scholar, The College of William and Mary

FELLOWSHIPS AND RESEARCH PROGRAMS

2015   Research Fellow, Group for Experimental Methods in Humanistic Research, Columbia University

2009   Grant Recipient, James Monroe Scholars Program, The College of William and Mary

2008   University of Cambridge Summer Program, The College of William and Mary

2005   Brevard Music Center (BMC) Piano Program

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

SOLO EXHIBITIONS

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

COMMISSIONS AND RESIDENCIES

2016   Commission, Electric Objects EO1 Art Club, *Merula*, Digital Animation

2015   Commission, The Coven Magazine × Print All Over Me (PAOM), Printed Apparel

2011   Residency, Helsinki International Artist Programme (HIAP)

TEACHING EXPERIENCE

2019   Lecturer, APAN 5800 *Storytelling with Data.* Graduate-level course, Columbia University SPS.

Lecturer, APAN 5500 *Data Visualization and Design.* Graduate-level course, Columbia University SPS.

2018   Lecturer, APAN 5500 *Data Visualization and Design.* Graduate-level course, Columbia University SPS.

2017   Lecturer, APAN 5500 *Data Visualization and Design.* Graduate-level course, Columbia University SPS.

2016   Teaching Assistant, ARCH 6805/4122 *Mapping for Architecture, Urbanism, and the Humanities.* Graduate-level course, Columbia University GSAPP.

2015   Teaching Assistant, HIST 8495 *Borderlands Seminar.* Graduate-level seminar, Columbia University GSAS.

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.

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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.

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.

TECHNICAL PROFICIENCIES

Languages   JavaScript (D3.js, Leaflet), HTML5, Processing, Python, R

Software   Adobe Creative Suite (Photoshop, Illustrator, InDesign), Sketch, Figma, Tableau, QGIS

Frameworks   Jekyll

INTERESTS AND QUALIFICATIONS

Memberships   IEEE

The Long Now Foundation

Outdoor   PADI Open Water Certified Diver