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

2020-	Product Manager
2016-2019	Product Designer
New York, NY	**Two Sigma**
2014-2015	Data Visualization Analyst
Brooklyn, NY	**Huge**
2012-2016	Data Visualization Designer and Developer
Brooklyn, NY	**emilyfuhrman.co**
2010-2012	Consultant, Advanced Analytics
2009	Intern
Arlington, VA	**Booz Allen Hamilton**

ACADEMIC POSITIONS

2020-	Lecturer, Columbia University GSAPP
2017-2020	Lecturer, Columbia University School of Professional Studies (SPS)
2016	Spatial Research Intern, Columbia University Digital Social Science Center (DSSC)
2016	Teaching Assistant, Columbia University Graduate School of Architecture, Planning, and Preservation (GSAPP)
2015	Teaching Assistant, Columbia University Graduate School of Arts and Sciences (GSAS)
New York, NY	**Columbia University**

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HONORS AND AWARDS

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

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

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

2005   Brevard Music Center (BMC) Summer Institute

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

SOLO EXHIBITIONS

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

COMMISSIONS AND RESIDENCIES

2020   Commission, Two Sigma Ventures, New York, NY

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

2015   Commission, The Coven Magazine × Print All Over Me (PAOM), *The Coven Magazine Issue No. 4 Release Party & PAOM Virtual Fashion Show*, Signal Gallery, Brooklyn, NY

2011   Residency, Helsinki International Artist Programme (HIAP)

TEACHING EXPERIENCE

2020   ARCH 4122 *Mapping for Architecture, Urbanism, and the Humanities*. Graduate-level, Columbia University GSAPP.

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

2017-2019   APAN 5500 *Data Visualization and Design*. Graduate-level, Columbia University School of Professional Studies (SPS).

2016   (TA) ARCH 6805/4122 *Mapping for Architecture, Urbanism, and the Humanities*. Graduate-level, Columbia University Graduate School of Architecture, Planning, and Preservation (GSAPP).

2015   (TA) HIST 8495 *Borderlands Seminar*. Graduate-level, Columbia University Graduate School of Arts and Sciences (GSAS).

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SELECT SPEAKING ENGAGEMENTS

2019   Invited Speaker, *HUSH Creative Jam*, HUSH Studios.

Guest Lecturer, *Data Visualization Portfolio Development*, Infographics and Data Visualization Design Certificate Program, Parsons The New School.

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 (CTL).

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.

TECHNICAL PROFICIENCIES

Languages   JavaScript (D3.js, Leaflet.js), HTML5, Processing; Working knowledge of: Python, R

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

Frameworks   Jekyll

INTERESTS AND QUALIFICATIONS

Outdoor   PADI Open Water Certified Diver