EMILY FUHRMAN

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

ACADEMIC POSITIONS

2017 – Current New York, NY	Lecturer **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 New York, NY	Teaching Assistant **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.

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

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)

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