EMILY FUHRMAN

ef2512[at]columbia.edu
emilyfuhrman.co

EDUCATION

Columbia University, Graduate School of Arts and Sciences — New York, NY
— **M.A.**, Department of English and Comparative Literature — 2016

The College of William and Mary — Williamsburg, VA
— **B.A.**, English and Philosophy, *summa cum laude* — 2010
   Phi Beta Kappa, James Monroe Scholar

PROFESSIONAL POSITIONS

Two Sigma — New York, NY
— Product Manager, Modeling Engineering — 2021-
— Product Manager, Venn Platform — 2019-2021
— Data Visualization and Product Design Lead, Venn Platform — 2016-2019

Huge Inc. — New York, NY
— Data Visualization Analyst — 2014-2015

Booz Allen Hamilton — Arlington, VA
— Consultant, Advanced Analytics — 2010-2012
— Intern, Modeling, Simulation, Wargaming, and Analysis (MSWA) — 2009

ACADEMIC POSITIONS

Columbia University in the City of New York — New York, NY
— Adjunct Assistant Professor, Graduate School of Architecture, Planning, and Preservation (GSAPP) — 2020-
— Lecturer, School of Professional Studies (SPS) — 2017-2020

HONORS AND AWARDS

— Phi Beta Kappa Prize, William and Mary Department of English — 2010
— First Place (Piano), William and Mary Concerto Competition, William and Mary Department of Music — 2009

FELLOWSHIPS

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

TEACHING EXPERIENCE

Columbia University in the City of New York — New York, NY
— ARCH 4122, *Mapping for Architecture, Urbanism, and the Humanities* — 2020-
— APAN 5800, *Storytelling with Data* — 2019
— APAN 5500, *Data Visualization and Design* — 2017-2019
— Teaching Assistant (TA), ARCH 6805/4122, *Mapping for Architecture, Urbanism, and the Humanities* — 2016
— TA, HIST 8495, *Borderlands Seminar* — 2015

SOLO EXHIBITIONS

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

RESIDENCIES

— Helsinki International Artist Programme (HIAP), Suomenlinna, Finland   2011

SELECT SPEAKING ENGAGEMENTS

— Invited Speaker, *HUSH Creative Jam*, HUSH Studios.   2019
— Guest Lecturer, *Data Visualization Portfolio Development*, Infographics and Data Visualization Design   2019
Certificate Program, Parsons The New School.
— Invited Speaker, "Textual Topographies and Procedural Residue," *Poetics of Information Symposium*, NYU.   2018
— Invited Speaker, "Introduction to Data Visualization," Learning and Development Series, Two Sigma.   2018
— Invited Speaker, "Visualizing Joyce's Ulysses: 'Sirens' as a Graphic Score," *Joyce in the Digital Age*,   2017
Columbia University.
— Invited Speaker, "In the Same Boats: Geographic Visualization Considerations," *Digital Humanities for*   2017
Caribbean History: A History Design Studio Workshop, Harvard University.
— Invited Speaker, "Unstable Spaces: Autonomous Data and Graphical Accountability," Lede Program,   2016
Columbia University Graduate School of Journalism.
— Invited Speaker, "Visualization and Information Design," Innovative Teaching Summer Institute (ITSI),   2016
Columbia University Center for Teaching and Learning (CTL).
— Invited Speaker, "Data Visualization for Social Good: The Building Ownership Project," Open Data Science   2016
Conference (ODSC) East, Boston.
— Invited Speaker, "Encoding Ambiguity: Visualizing Qualitative Relationships and Uncertain Values," *The Art*   2016
of Data Visualization, Columbia University.
— Workshop Leader, "Introduction to D3.js," *The Art of Data Visualization*, Columbia University.   2016

PUBLICATIONS

— Rogowitz, B., Kwon, B.C., & Fuhrman, E. (2018). "Towards Guidelines and Practices for Teaching Data   Workshops
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

— JavaScript (D3.js, Leaflet.js), Processing; Working knowledge of: Python, R   Languages
— Adobe Creative Suite (Photoshop, Illustrator, InDesign), Figma, Tableau, Mapbox, QGIS   Software

INTERESTS AND QUALIFICATIONS

— PADI Open Water Certified Diver   Outdoor