EDUCATION

Columbia University Graduate School of Arts and Sciences

Master of Arts (MA), Department of English and Comparative Literature

Williamsburg, VA

The College of William and Mary

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

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.

 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.

2015 Teaching Assistant

New York, NY 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	
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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

James Monroe Scholar, The College of William and Mary

FELLOWSHIPS AND RESEARCH PROGRAMS

2015	Research Fellow, Group for E	Experimental Methods in Humanis	ic Research,	Columbia University
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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 \times 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.

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