

EDUCATION

Columbia University Graduate School of Arts and Sciences

New York, NY

- MA, Department of English and Comparative Literature

2016

The College of William and Mary

Williamsburg, VA

- BA, English and Philosophy, *summa cum laude*
- Phi Beta Kappa, James Monroe Scholar

2010

PROFESSIONAL POSITIONS

Two Sigma

New York, NY

- Product Manager, Venn
- Data Visualization Specialist and Product Designer, Venn

2019-

2016-2019

Huge Inc.

New York, NY

- Data Visualization Analyst

2014-2015

emilyfuhrman.co

New York, NY

- Data Visualization Designer and Developer

2012-2016

Booz Allen Hamilton

Arlington, VA

- Consultant, Advanced Analytics
- Intern

2010-2012

2009

ACADEMIC POSITIONS

Columbia University

New York, NY

- Adjunct Assistant Professor, Columbia GSAPP
- Lecturer, Columbia University School of Professional Studies (SPS)
- Spatial Research Intern, Columbia University Digital Social Science Center (DSSC)
- Teaching Assistant, Columbia University Graduate School of Architecture, Planning, and Preservation (GSAPP)
- Teaching Assistant, Columbia University Graduate School of Arts and Sciences (GSAS)

2020-

2017-2020

2016

2016

2015

HONORS AND AWARDS

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

2010

- Phi Beta Kappa Society, Alpha Chapter of Virginia

2009

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

2009

- James Monroe Scholar, The College of William and Mary

2006

FELLOWSHIPS AND RESEARCH PROGRAMS

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

2015

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

2008

- Piano Student, Brevard Music Center (BMC) Summer Institute

2005

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

2004

SOLO EXHIBITIONS

- *Loss/less*, Ace Hotel New York (in conjunction with Discwoman and MoMA PS1), New York, NY 2016

TEACHING EXPERIENCE

- ARCH 4122 “Mapping for Architecture, Urbanism, and the Humanities,” Columbia GSAPP 2020-
- APAN 5800 “Storytelling with Data,” Columbia SPS 2019
- APAN 5500 “Data Visualization and Design,” Columbia University School of Professional Studies (SPS) 2017-2019
- (TA) ARCH 6805/4122 “Mapping for Architecture, Urbanism, and the Humanities,” Columbia University Graduate School of Architecture, Planning, and Preservation (GSAPP) 2016
- (TA) HIST 8495 “Borderlands Seminar,” Columbia University Graduate School of Arts and Sciences (GSAS) 2015

SELECT SPEAKING ENGAGEMENTS

- Invited Speaker, *HUSH Creative Jam*, HUSH Studios. 2019
- Guest Lecturer, *Data Visualization Portfolio Development*, Infographics and Data Visualization Design Certificate Program, Parsons The New School. 2019
- 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*, Columbia University. 2017
- Invited Speaker, “In the Same Boats: Geographic Visualization Considerations,” *Digital Humanities for Caribbean History: A History Design Studio Workshop*, Harvard University. 2017
- Invited Speaker, “Unstable Spaces: Autonomous Data and Graphical Accountability,” Lede Program, Columbia University Graduate School of Journalism. 2016
- Invited Speaker, “Visualization and Information Design,” Innovative Teaching Summer Institute (ITSI), Columbia University Center for Teaching and Learning (CTL). 2016
- Invited Speaker, “Data Visualization for Social Good: The Building Ownership Project,” Open Data Science Conference (ODSC) East, Boston. 2016
- Invited Speaker, “Encoding Ambiguity: Visualizing Qualitative Relationships and Uncertain Values,” *The Art of Data Visualization*, Columbia University. 2016
- 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 Visualization.” Presented at *VisGuides: 2nd Workshop on the Creation, Curation, Critique and Conditioning of Principles and Guidelines in Visualization*, IEEE VIS 2018: Berlin, Germany. Workshops

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