

## 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*

2010

Phi Beta Kappa, James Monroe Scholar

## PROFESSIONAL POSITIONS

---

**Two Sigma**

New York, NY

— Product Manager, Venn

2019 -

— Data Visualization Specialist and Product Designer, Venn

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

2010 - 2012

— Intern, Modeling, Simulation, Wargaming, and Analysis

2009

## ACADEMIC POSITIONS

---

**Columbia University**

New York, NY

— Adjunct Assistant Professor, Columbia GSAPP

2020 -

— Lecturer, Columbia University School of Professional Studies (SPS)

2017 - 2020

— Spatial Research Intern, Columbia University Digital Social Science Center (DSSC)

2016

— Teaching Assistant, Columbia University Graduate School of Architecture, Planning, and Preservation (GSAPP)

2016

— Teaching Assistant, Columbia University Graduate School of Arts and Sciences (GSAS)

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

---

— *Lossless*, 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