

EDUCATION

| | |
|---|--------------------------|
| Columbia University Graduate School of Arts and Sciences — MA, Department of English and Comparative Literature | New York, NY 2016 |
| The College of William and Mary — BA, English and Philosophy, <i>summa cum laude</i> Phi Beta Kappa, James Monroe Scholar | Williamsburg, VA 2010 |

PROFESSIONAL POSITIONS

| | |
|--|---------------------------------------|
| Two Sigma — Product Manager, Venn — Data Visualization Specialist and Product Designer, Venn | New York, NY 2019 - 2016 - 2019 |
| Huge — Data Visualization Analyst | New York, NY 2014 - 2015 |
| emilyfuhrman.co — Data Visualization Designer and Developer | New York, NY 2012 - 2016 |
| Booz Allen Hamilton — Consultant, Advanced Analytics — Intern, Modeling, Simulation, Wargaming, and Analysis | Arlington, VA 2010 - 2012 2009 |

ACADEMIC POSITIONS

| | |
|--|---|
| Columbia University — Adjunct Assistant Professor, Graduate School of Architecture, Planning, and Preservation (GSAPP) — Lecturer, School of Professional Studies (SPS) — Spatial Research Intern, Digital Social Science Center (DSSC) | New York, NY 2020 - 2017 - 2020 2016 |
|--|---|

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

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

SOLO EXHIBITIONS

| | |
|--|------|
| — <i>Loss/less</i> , Ace Hotel New York (in conjunction with Discwoman and MoMA PS1), New York, NY | 2016 |
|--|------|

RESIDENCIES

— Helsinki International Artist Programme (HIAP) 2011

TEACHING EXPERIENCE

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