

## EDUCATION

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

## PROFESSIONAL POSITIONS

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Two Sigma — Product Manager, Venn — Data Visualization and Product Designer, Venn	New York, NY 2019 - 2016 - 2019
Huge Inc. — 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 (MSWA)	Arlington, VA 2010 - 2012 2009

## ACADEMIC POSITIONS

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Columbia University in the City of New York — 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
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## HONORS AND AWARDS

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— 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

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

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

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— Helsinki International Artist Programme (HIAP) 2011

## TEACHING EXPERIENCE

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— 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

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— 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

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— 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

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— 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

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— PADI Open Water Certified Diver Outdoor