

Education

New York, NY	Columbia University Graduate School of Arts and Sciences
2016	Master of Arts (MA), Department of English and Comparative Literature
Williamsburg, VA	The College of William & Mary
2010	Bachelor of Arts (BA), English and Philosophy, <i>summa cum laude</i>

Professional and research positions

New York, NY	Data Visualization & UX Designer
2016 –	Two Sigma
New York, NY	Spatial Research Intern
2015 – 2016	Columbia University Graduate School of Architecture, Planning, and Preservation <ul style="list-style-type: none"> – One of two graduate interns supported by a grant from the Andrew W. Mellon Foundation. – Created and conducted Map Club, a weekly hack session focused on exploration, play, and self-education in web-based interactive mapping and visualization. – Worked with faculty to integrate spatial research across the humanities more broadly on campus. – Promoted data literacy through GIS workshops and presentations.
Brooklyn, NY	Data Visualization Designer and Developer
2015 – 2016	emilyfuhrman.co <ul style="list-style-type: none"> – Independent, multidisciplinary practice focused on the design and development of data-driven graphics. – Designed and developed “Theories of Everything, Mapped,” an interactive visualization representing major topics in physics and the theories put forth to solve them. Generated record-high traffic to the Quanta Magazine website on launch. Featured by WIRED, Scientific American, and Nature Physics. – Commissioned by Electric Objects to create four data-driven animations for the EO1 prototype. – Collaborated with Brooklyn-based creative agency WITCHES on a data-driven clothing line for Print All Over Me. – Select clients: Ace Hotel, Electric Objects, Oscar, Simons Foundation, Viacom.
Brooklyn, NY	Data Visualization Analyst
2014 – 2015	Huge <ul style="list-style-type: none"> – Owner of new data visualization capability at Huge. Partnered with analytics, technology, design, and user experience teams to develop visual analytical applications. – Led the redesign of Think with Google’s “The Customer Journey to Online Purchase,” an interactive visualization detailing consumer interactions by marketing channel, industry, and geographic location. – Select clients: Google.
New York, NY	Data Visualization Designer and Developer
2012 – 2014	AdFin <ul style="list-style-type: none"> – Designed the user interface of a dynamic analytics visualization terminal, from concept to production. – Contributed aesthetic and technical input throughout development life cycle. – Implemented static designs and interactive visualization ideas in JavaScript. – Acquired strong proficiency building interactive visualizations in D3.js.
Arlington, VA	Consultant, Advanced Analytics
2010 – 2012	Booz Allen Hamilton

Arlington, VA **Intern, Modeling, Simulation, Wargaming, & Analysis**
2009 – 2009 **Booz Allen Hamilton**

Academic positions

New York, NY **Teaching Assistant**
Spring 2016 **Columbia University Graduate School of Architecture, Planning, and Preservation**
Fall 2016 *Mapping for Architecture, Urbanism, and the Humanities (ARCH6805, ARCH4122), graduate-level course.*

New York, NY **Teaching Assistant**
Fall 2015 **Columbia University Graduate School of Arts and Sciences**
Borderlands Seminar (HIST8495), graduate-level course.

New York, NY **Research Fellow**
Fall 2015 **Columbia University Group for Experimental Methods in the Humanities**

Fellowships and research programs

Summer 2009 **James Monroe Scholarship Program**
Summer 2008 **William & Mary University of Cambridge Summer Program**

Honors and awards

2010 **Phi Beta Kappa prize**, William & Mary Department of English
2009 **Phi Beta Kappa Society**
William and Mary Concerto Competition (first place, piano), William & Mary Department of Music
2006 **James Monroe Scholar**, The College of William & Mary

Solo exhibitions

2016 ***Lossless***, Ace Hotel New York (in conjunction with Discwoman and MoMA PS1)

Technical skills and proficiencies

Languages **jQuery, JavaScript (D3.js, Leaflet), HTML5, Processing.** Working knowledge of: Python, R.
Software **Adobe Creative Suite (Photoshop, Illustrator, InDesign), Sketch, QGIS.**
Frameworks **Jekyll.**

Select speaking engagements

- 2017 **Harvard University**, *Digital Humanities for Caribbean History: A History Design Studio Workshop*
- 2016 **Columbia University Graduate School of Journalism**, *Lede Program*
"Unstable Spaces: Autonomous Data and Graphical Accountability"
- Columbia University Center for Teaching and Learning**, *Innovative Teaching Summer Institute (ITSI)*
"Visualization and Information Design" (Workshop)
- Open Data Science Conference (ODSC) East**
- Columbia University**, *The Art of Data Visualization*
"Encoding Ambiguity: Visualizing Qualitative Relationships and Uncertain Values"