

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 – Current	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 **Lecturer**
2017 – Current **Columbia University School of Professional Studies**
Data Visualization & Design (APAN5500), graduate-level course.

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

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

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

Fellowships and research programs

2009 **James Monroe Scholarship Program**
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

2018	Two Sigma, <i>Learning and Development Series</i>
2017	Columbia University, <i>Joyce in the Digital Age</i> Data Visualization Summit Boston 2017 Harvard University, <i>Digital Humanities for Caribbean History: A History Design Studio Workshop</i>
2016	Columbia University Graduate School of Journalism, <i>Lede Program</i> Columbia University Center for Teaching and Learning, <i>Innovative Teaching Summer Institute (ITSI)</i> Open Data Science Conference (ODSC) East Columbia University, <i>The Art of Data Visualization</i>