Emily Fuhrman

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emilyfuhrman.co

Education

New York, NY
2016

Columbia University Graduate School of Arts and Sciences
Master of Arts (MA), Department of English and Comparative Literature

Williamsburg, VA
2010

The College of William & Mary
Bachelor of Arts (BA), English and Philosophy, *summa cum laude*

Professional and research positions

New York, NY
2016 –

Data Visualization & UX Designer

Two Sigma

New York, NY
2015 – 2016

Spatial Research Intern

Columbia University Graduate School of Architecture, Planning, and Preservation

- 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
2015 – 2016

Data Visualization Designer and Developer

emilyfuhrman.co

- 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
2014 – 2015

Data Visualization Analyst

Huge

- 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
2012 – 2014

Data Visualization Designer and Developer

AdFin

- 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
2010 – 2012

Consultant, Advanced Analytics

Booz Allen Hamilton

Arlington, VA
2009 – 2009

Intern, Modeling, Simulation, Wargaming, & Analysis
Booz Allen Hamilton

Academic positions

New York, NY
2017 –

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

New York, NY
2016

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

New York, NY
2015

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

New York, NY
2015

Research Fellow
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

2017   Columbia University, *Joyce in the Digital Age*

Data Visualization Summit Boston 2017

Harvard University, *Digital Humanities for Caribbean History: A History Design Studio Workshop*

2016   Columbia University Graduate School of Journalism, *Lede Program*

Columbia University Center for Teaching and Learning, *Innovative Teaching Summer Institute (ITSI)*

Open Data Science Conference (ODSC) East

Columbia University, *The Art of Data Visualization*