Emily Fuhrman

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+1 703 489 4405

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 and Mary**
2010	**Bachelor of Arts (BA)**, English and Philosophy, *summa cum laude*

Professional and Research Positions

New York, NY   Data Visualization and Product Designer

2016 – Current   **Two Sigma**

New York, NY   Spatial Research Intern

2015 – 2016   **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 and increase GIS literacy on campus.

Brooklyn, NY   Data Visualization Designer and Developer

2015 – 2016   **emilyfuhrman.co**

- Independent, multidisciplinary practice focused on the design and development of data-driven graphics.
- Generated record-high traffic to Quanta Magazine on launch of "Theories of Everything, Mapped," an interactive visualization of major topics in physics. Featured by WIRED and Scientific American.
- 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**

- 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**

Arlington, VA   Consultant, Advanced Analytics

2010 – 2012   **Booz Allen Hamilton**

Arlington, VA   Intern, Modeling, Simulation, Wargaming, and Analysis

2009   **Booz Allen Hamilton**

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Academic Positions

New York, NY	**Lecturer**
2017 – Current	Columbia University School of Professional Studies
	Data Visualization and 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 and Mary University of Cambridge Summer Program |

Honors and Awards

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

Solo Exhibitions

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

Technical Skills and Proficiencies

Languages	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   **NYU Gallatin School of Individualized Study**, *The Poetics of Information*

Two Sigma, *Learning and Development Series*

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*

Publications

Workshops   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.

Reading Groups

Participant   **Arts & Algorithms**, Columbia University

Certifications

Misc.   **PADI Open Water Diver**