

Emily Fuhrman

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## Education

### Columbia University

2017, MA, Department of English & Comparative Literature (*expected*)

### Northwestern University

2014, MS, Predictive Analytics

### The College of William & Mary

2010, BA, English, Philosophy, *summa cum laude*

## Employment

### emilyfuhrman.co

03 2015 – *Freelance Data Visualization Designer and Developer*

Independent, multidisciplinary practice focused on visualization, mapping, and the design and development of data-driven graphics. Past engagements have encompassed academic research, data journalism, workshops, installations, and creative collaboration. Select Clients: Columbia University, Electric Objects, Oscar, Simons Foundation.

### Huge

04 2014 – 03 2015, *Data Visualization Analyst*

Owner of new data visualization capability at Huge. Responsible for partnering with analytics, technology, design, and user experience teams to develop visual analytical applications. Worked closely with clients to design visualization concepts for both print and web. Select clients: Google.

### AdFin

04 2012 – 04 2014, *Data Artist / UX Developer*

Responsible for designing 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.

### Booz Allen Hamilton

07 2010 – 08 2012, *Advanced Analytics Consultant*

Responsible for designing and constructing interactive Flash-based data visualization tools. Created mockups and visualization concepts for lifecycle management platform and acquisition dashboard. Acquired self-taught skills in HTML, CSS, and Adobe Creative Suite. Select clients: Air National Guard, U.S. Air Force, U.S. Navy.

### Booz Allen Hamilton

06 2009 – 08 2009, *Intern: Modeling, Simulation, Wargaming, & Analysis*

## Honors and awards

2010	Phi Beta Kappa Prize (William & Mary Department of English)
2009	Phi Beta Kappa Society William & Mary Concerto Competition (First place, piano)
2006	James Monroe Scholar

## Fellowships and research programs

2009	James Monroe Scholarship Program: Summer Research Project	Stockholm, Sweden
2008	William & Mary University of Cambridge Summer Program	Cambridge, England

## Talks

- 2016 Columbia University, Lede Program. "Unstable Spaces: Autonomous Data and Graphical Accountability."  
Columbia University, Innovative Teaching Summer Institute (ITSI). "Visualization and Information Design."  
Workshop.  
Open Data Science Conference (ODSC) East. "Data Visualization for Social Good."  
Columbia University, *The Art of Data Visualization*. "An Introduction to the D3.js Library." Workshop.  
Columbia University, *The Art of Data Visualization*. "Encoding Ambiguity: Visualizing Qualitative Relationships  
and Uncertain Values."  
2015 General Assembly NYC. "Data Visualization at Heat Seek." Lecture.  
Columbia University. "Introduction to D3.js." Workshop.  
Columbia University. "Visualizing Geographic Data." Lecture.

## Residencies and commissions

- 2015 Electric Objects EO1 Art Club  
2011 Tokamak Art Residency, Helsinki International Artist Programme *Helsinki, Finland*

## Exhibitions — Group

- 2016 INTER:CONNECTED, Minneapolis Center for Digital Art  
2015 The Coven Magazine Issue No. 4 + PAOM Virtual Fashion Show / Release Party, Signal Gallery

## Teaching experience

- S2016 Columbia University, *Teaching assistant*. Mapping for Architecture, Urbanism, & the Humanities.  
S2015 Columbia University, *Teaching assistant*. Borderlands Seminar.

## Affiliations and research groups

### Columbia University GSAPP Center for Spatial Research

*Spatial Research Intern*

### Columbia University Group for Experimental Methods in the Humanities

*Research Fellow*

## Technical skills and proficiencies

### Languages

jQuery, JavaScript (D3.js, Leaflet), Processing. Working knowledge of: Python, R.

### Markup languages

HTML5, CSS (Sass), Markdown.

### Frameworks

Jekyll.

### Software

Adobe Creative Suite CS6 (Photoshop, Illustrator, InDesign).

### GIS

QGIS.

### Natural languages

English, native; French, intermediate.