

Emily Fuhrman

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## Education

### **Columbia University Graduate School of Arts & Sciences**

2016, MA, Department of English & Comparative Literature (*expected*)

### **The College of William & Mary**

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

## Employment

### **Two Sigma**

10 2016 – *Data Visualization & UX Designer*

### **Columbia University Graduate School of Architecture, Planning, & Preservation**

09 2015 – 12 2016, *Intern, Center for Spatial Research*

### **emilyfuhrman.co**

03 2015 – *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: Ace Hotel, 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 Visualization Designer and 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, *Consultant, Advanced Analytics*

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	<i>Stockholm, Sweden</i>
2008	William & Mary University of Cambridge Summer Program	<i>Cambridge, England</i>

## 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, <i>The Art of Data Visualization</i> . "An Introduction to the D3.js Library." Workshop. Columbia University, <i>The Art of Data Visualization</i> . "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.
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## Teaching experience

2016	Columbia University, <i>Teaching assistant</i> . Mapping for Architecture, Urbanism, & the Humanities (ARCH 4421). Columbia University, <i>Teaching assistant</i> . Mapping for Architecture, Urbanism, & the Humanities (ARCH 6805).
2015	Columbia University, <i>Teaching assistant</i> . Borderlands Seminar (HIST 8495).

## Residencies and commissions

2015	Electric Objects EO1 Art Club	
2011	Tokamak Art Residency, Helsinki International Artist Programme	<i>Helsinki, Finland</i>

## Exhibitions (solo)

2016	<i>Lossless</i> , Ace Hotel New York, presented by Ace Hotel and Discwoman in conjunction with MoMA PS1
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## 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

## Affiliations and research groups

**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.