

Emily Fuhrman

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y-li.me

## Education

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|--|------|---|
| <b>Columbia University</b>               | 2016 | MA, Department of English & Comparative Literature ( <i>in progress</i> ) |
| <b>Northwestern University</b>           | 2014 | MS, Predictive Analytics  |
| <b>The College of William &amp; Mary</b> | 2010 | BA, English, Philosophy, <i>summa cum laude</i>                           |

## Employment

### 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. Selected 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. Provided aesthetic and technical input on interactive visualizations throughout. Implemented static designs and visualization ideas in JavaScript. Acquired strong proficiency building interactive visualizations in D3.js.

### EMILY FUHRMAN

08 2012 –

Independent visualization and mapping consultancy focused on the design and development of data-driven graphics. Past engagements have encompassed scholarly research, creative collaboration, and workshops on visualization and mapping software. Ongoing. Selected Clients: Chromat, Columbia University, Simons Foundation.

### 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. Selected 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<br>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> |

## Exhibitions and residencies

2011 Tokamak Art Residency, Helsinki International Artist Programme *Helsinki, Finland*

#### Talks

2015 Columbia University Studio@Butler. "Introduction to D3.js." Workshop.  
Columbia University Digital Social Science Center. "Visualizing Geographic Data." Lecture.

#### Collaborations and research groups

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

Research Fellow. Collaborative engagement in efforts dedicated to mapping, data visualization, and rapid prototyping.  
Moderators: Manan Ahmed, Alex Gil, Dennis Tenen, & Grant Wythoff.

#### Teaching experience

##### **HIST G8945, Borderlands Seminar (Prof. Manan Ahmed, S2015, Columbia University)**

Co-teacher. Responsible for guiding and helping students with Leaflet and QGIS.

#### Technical skills and proficiencies

##### **Languages**

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

##### **Markup languages**

HTML5, CSS. Working knowledge of: SASS

##### **Frameworks**

WordPress, Jekyll

##### **Software**

Adobe Creative Suite CS6 (Photoshop, Illustrator, InDesign)

##### **GIS**

Leaflet. Working knowledge of: QGIS

##### **Natural languages**

English, native; French, intermediate