Emily Fuhrman

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Education

Columbia University Graduate School of Arts & Sciences
2017, MA, Department of English & Comparative Literature *(expected)*

The College of William & Mary
2010, BA, English, Philosophy, *summa cum laude*

Employment

emilyfuhrman.co
03 2015 –
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, and creative collaboration. Select Clients: Chromat, Columbia University, Electric Objects, 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, *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

2015	Signal Gallery, The Coven Magazine Issue No. 4 + PAOM Virtual Fashion Show / Release Party

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
Intern. Responsible for co-creating and co-teaching digital labs associated with courses in the Center for Spatial Research for students, assisting with the creation and teaching of workshops for faculty, and working with faculty to integrate spatial research across the humanities more broadly on campus.

Columbia University Group for Experimental Methods in the Humanities
Research Fellow. Collaborative participation in digital humanities efforts incorporating but not limited to interactive mapping, rapid prototyping, and data visualization. Moderators: Manan Ahmed, Alex Gil, & Dennis Tenen.

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.