Emily Fuhrman

emily.c.fuhrman@gmail.com
703 489 4405
emilyfuhrman.co

Education

Columbia University
2016, 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, 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. 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.

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

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

Residencies

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

Installations

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

Collaborations and research groups

Columbia University 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.

Teaching experience

Columbia University, HIST G8945, Borderlands Seminar (Prof. Manan Ahmed, S2015)
Teaching assistant. 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, Markdown. Working knowledge of: SASS

Frameworks
Jekyll

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

GIS
Leaflet. Working knowledge of: QGIS

Natural languages
English, native; French, intermediate