Emily Fuhrman

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Education

Northwestern University	2014	MS, Predictive Analytics
The College of William & Mary	2010	BA, English, Philosophy, *summa cum laude*

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
	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*

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