Emily Fuhrman

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Education

Columbia University
2017, MA, Department of English & Comparative Literature *(expected)*

Northwestern University
2014, MS, Predictive Analytics

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, installations, 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, 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, *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

2016   INTER:CONNECTED, Minneapolis Center for Digital Art
2015   The Coven Magazine Issue No. 4 + PAOM Virtual Fashion Show / Release Party, Signal Gallery

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
Spatial Research Intern

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.

Natural languages
English, native; French, intermediate.