Emily Fuhrman

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EDUCATION

Columbia University Graduate School of Arts and Sciences

    M.A., Department of English and Comparative Literature   2016

The College of William and Mary

    B.A., English and Philosophy, *summa cum laude*   2010
    Phi Beta Kappa, James Monroe Scholar

PROFESSIONAL POSITIONS

Two Sigma International Limited	2023 -
Two Sigma Investments, LP	2016 - 2022
Product Manager, Model Lifecycle Engineering	2023 -
Product Manager, Modeling Engineering	2021 - 2022
Product Manager, Venn Platform	2020
Data Visualization Specialist, Venn Platform	2016 - 2019

Huge Inc.

    Data Visualization Analyst   2014 - 2015

Booz Allen Hamilton

    Consultant, Advanced Analytics   2010 - 2012
    Intern   2009

TEACHING

Columbia University in the City of New York

    Adjunct Assistant Professor, Graduate School of Architecture, Planning and Preservation   2020 - 2021
       —   ARCH4122, *Mapping for Architecture, Urbanism, and the Humanities*
    Lecturer, School of Professional Studies   2017 - 2020
       —   APAN5800, *Storytelling with Data*
       —   APAN5500, *Data Visualization and Design*
    Teaching Assistant, Graduate School of Arts and Sciences   2015 - 2016
       —   ARCH6805 / ARCH4122, *Mapping for Architecture, Urbanism, and the Humanities*
       —   HIST8495, *Borderlands Seminar*

AWARDS

Prizes

— Phi Beta Kappa Prize, The College of William and Mary — 2010
— First Place (Piano), William and Mary Concerto Competition — 2009

Fellowships and Grants

— Research Fellowship, Group for Experimental Methods in Humanistic Research, Columbia University — 2015
— Research Grant, James Monroe Scholars Program, The College of William and Mary — 2009

Programs and Residencies

— Participant, Spring 2023, *Cellular Automata: Code Beyond Words*, School for Poetic Computation (SFPC) [Virtual]. — 2023
— Participant, SP2'21, Recurse Center [Virtual]. — 2021
— Resident, Helsinki International Artist Programme (HIAP): Suomenlinna, Finland. — 2011

EXHIBITIONS

Solo

— *Lossless*, Ace Hotel New York (with Discwoman and MoMA PS1): New York, NY. — 2016

Group

— *VISAP'21*, IEEE VIS 2021: https://visap.net/2021/ — 2021

PUBLICATIONS

Workshops

— Rogowitz, B., Kwon, B.C., & **Fuhrman, E**. (2018). "Towards Guidelines and Practices for Teaching Data Visualization." Presented at *VisGuides: 2nd Workshop on the Creation, Curation, Critique and Conditioning of Principles and Guidelines in Visualization*, IEEE VIS 2018: Berlin, Germany. — 2018

Work Published in Periodicals

— Visualizing Joyce's *Ulysses*: "Sirens" [Graphic]. *filling Station*, 59. — 2014

SELECT PRESS

Work Featured in Journals and Media

— "COVID Maps Reveal Personal Pandemic Landscapes," *Bloomberg CityLab*: https://www.bloomberg.com/news/features/2022-01-25/homemade-covid-maps-navigate-life-around-the-world   2022
— "Une carte textuelle de la frontière alaskaine," *visionscarto*, trans. Philippe Rivière: https://visionscarto.net/carte-textuelle-alaska   2020
— Derven, C. (2016). "Getting Wind of a New Opening": Joyce in the Digital Age Conference, Columbia University, New York, 1 October 2017. *James Joyce Quarterly*, 53(3/4), 195-199. http://www.jstor.org/stable/45172805   2016

Interviews

— Student Spotlight Series, *Columbia Graduate School of Arts and Sciences* [Blog]: https://www.gsas.columbia.edu/news/emily-fuhrman-ma-candidate-english-and-comparative-literature   2016
— Artist Interview, *Electric Objects*: http://zine.electricobjects.com/interviews/emily-fuhrman   2016

SELECT SPEAKING ENGAGEMENTS

Invited Talks

— Artist Talk, *VISAP'21*, IEEE VIS 2021 [Virtual].   2021
— Invited Speaker, *HUSH Creative Jam*, HUSH Studios.   2019
— Guest Lecturer, *Data Visualization Portfolio Development*, Infographics and Data Visualization Design Certificate Program, Parsons The New School.   2019
— Invited Speaker, "Textual Topographies and Procedural Residue," *Poetics of Information Symposium*, NYU.   2018
— Invited Speaker, "Introduction to Data Visualization," Learning and Development Series, Two Sigma.   2018
— Invited Speaker, "Visualizing Joyce's Ulysses: 'Sirens' as a Graphic Score," *Joyce in the Digital Age*, Columbia University.   2017
— Invited Speaker, "In the Same Boats: Geographic Visualization Considerations," *Digital Humanities for Caribbean History: A History Design Studio Workshop*, Harvard University.   2017
— Invited Speaker, "Unstable Spaces: Autonomous Data and Graphical Accountability," Lede Program, Columbia University Graduate School of Journalism.   2016
— Invited Speaker, "Visualization and Information Design," Innovative Teaching Summer Institute (ITSI), Columbia University Center for Teaching and Learning (CTL).   2016
— Invited Speaker, "Data Visualization for Social Good: The Building Ownership Project," Open Data Science Conference (ODSC) East, Boston.   2016
— Invited Speaker, "Encoding Ambiguity: Visualizing Qualitative Relationships and Uncertain Values," *The Art of Data Visualization*, Columbia University.   2016
— Workshop Leader, "Introduction to D3.js," *The Art of Data Visualization*, Columbia University.   2016

Invited Workshops

— Invited Participant, *Unflattening and Enacting Visualization*, CUNY Graduate Center. 2016

PROFESSIONAL CERTIFICATIONS

— **WSET Level 2 Wine**, Pass with Distinction, Wine and Spirit Education Trust 2023
— **CELTA** (Certificate in Teaching English to Speakers of Other Languages), Cambridge 2021
Assessment English

PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

— Fellow, RGS (Royal Geographical Society, with the Institute of British Geographers) 2023 -
— Associate Member, AAG (American Association of Geographers) 2023 -
— Associate Member, IEEE (Institute of Electrical and Electronics Engineers) 2018 -

INTERESTS AND QUALIFICATIONS

— PADI Open Water Certified Diver 2019