

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> 2017
- “Physics Week in Review: August 8, 2015,” *Scientific American* [Blog]: <https://blogs.scientificamerican.com/cocktail-party-physics/physics-week-in-review-august-8-2015/> 2015

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, Wine and Spirit Education Trust 2023
- CELTA (Certificate in Teaching English to Speakers of Other Languages), Cambridge Assessment English 2021

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