

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— Product Manager, Modeling Engineering, Portfolio Management Engineering 2021 -
— Product Manager, Venn Platform 2020
— Senior Product Designer, Venn Platform 2016 - 2019**Huge Inc.**

— Data Visualization Analyst 2014 - 2015

Booz Allen Hamilton— Consultant, Advanced Analytics 2010 - 2012
— Intern 2009**ACADEMIC POSITIONS**

Columbia University in the City of New York— Adjunct Assistant Professor, Graduate School of Architecture, Planning, and Preservation (GSAPP) 2020 - 2021
— Lecturer, School of Professional Studies (SPS) 2017 - 2020**TEACHING**

— ARCH4122: *Mapping for Architecture, Urbanism, and the Humanities*, Columbia GSAPP. 2020 - 2021
— APAN5800: *Storytelling with Data*, Columbia SPS. 2019
— APAN5500: *Data Visualization and Design*, Columbia SPS. 2017 - 2019
— ARCH6805 / 4122: *Mapping for Architecture, Urbanism, and the Humanities*. Teaching Assistant (TA) w/Prof. Juan Saldarriaga, Columbia GSAPP. 2016
— HIST8495: *Borderlands Seminar*. TA w/Prof. Manan Ahmed, Columbia University Graduate School of Arts and Sciences (GSAS). 2015

AWARDS

FELLOWSHIPS

- Research Fellowship, Group for Experimental Methods in Humanistic Research, Columbia University 2015

GRANTS

- James Monroe Scholar Summer Research Grant, The College of William and Mary 2009

PRIZES

- Phi Beta Kappa Prize, William and Mary Department of English 2010
- First Place (Piano), William and Mary Concerto Competition, William and Mary Department of Music 2009

RESIDENCIES

- Recurse Center (New York, NY) 2021
- Helsinki International Artist Programme (HIAP), TOKAMAK (Suomenlinna, Finland) 2011

EXHIBITIONS

SOLO

- *Loss/less*, Ace Hotel New York (w/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

INTERVIEWS

- "Student Spotlight: Emily Fuhrman, MA Candidate in English and Comparative Literature," *Columbia Graduate School of Arts and Sciences* [Blog]: <https://gsas.columbia.edu/emily-fuhrman-ma-candidate-english-and-comparative-literature>. 2017
- "Artist Interview: Emily Fuhrman," *Electric Objects*: <http://zine.electricobjects.com/interviews/emily-fuhrman>. 2016

SELECT PRESS

- “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

SELECT SPEAKING ENGAGEMENTS

INVITED TALKS

- Artist Talk, *VISAP’21*, IEEE VIS 2021. 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

- CELTA (Certificate in Teaching English to Speakers of Other Languages), Cambridge Assessment English 2021

INTERESTS AND QUALIFICATIONS

- PADI Open Water Certified Diver 2019