### **EDUCATION**

Columbia University Graduate School of Arts and Sciences  — M.A., Department of English and Comparative Literature	New York, NY 2016
The College of William and Mary  — B.A., English and Philosophy, summa cum laude Phi Beta Kappa, James Monroe Scholar	Williamsburg, VA 2010
PROFESSIONAL POSITIONS	
Two Sigma  — Product Manager, Modeling Engineering, Portfolio Management & Analytics  — Product Manager, Venn Platform	New York, NY 2021 - 2019 - 2021

Huge Inc.	New York, NY
<ul> <li>Data Visualization Analyst</li> </ul>	2014 - 2015

### **Booz Allen Hamilton** Arlington, VA - Consultant, Advanced Analytics 2010-2012 — Intern 2009

Data Visualization and Product Design Lead, Venn Platform

## **ACADEMIC POSITIONS**

Columbia University in the City of New York	New York, NY
— Adjunct Assistant Professor, Graduate School of Architecture, Planning, and Preservation (GSAPP)	2020-2021
<ul> <li>Lecturer, School of Professional Studies (SPS)</li> </ul>	2017-2020

### **TEACHING**

# **GRADUATE**

- ARCH 4122, Mapping for Architecture, Urbanism, and the Humanities. Columbia GSAPP: Spr. 2020-21. 2020-2021
- APAN 5800, Storytelling with Data. Columbia SPS: Fall 2019.

2019

2016-2019

- APAN 5500, Data Visualization and Design. Columbia SPS: Fall/Sum. 2017-18, Spr. 2019. 2017-2019
- ARCH 6805/4122, Mapping for Architecture, Urbanism, and the Humanities. Teaching Assistant (TA) 2016 w/Prof. Juan Saldarriaga. Columbia GSAPP: Spr./Fall 2016.
- HIST 8495, Borderlands Seminar. TA w/Prof. Manan Ahmed. Columbia University Graduate School of Arts 2015 and Sciences (GSAS): Fall 2015.

### **AWARDS**

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

## **FELLOWSHIPS**

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

GRANTS	
— James Monroe Scholar Summer Research Grant, The College of William and Mary	2009
RESIDENCIES	
— Recurse Center, New York, NY	2021
Helsinki International Artist Programme (HIAP), Suomenlinna, Finland	2011
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SOLO EXHIBITIONS	
— Lossless, Ace Hotel New York (in conjunction with Discwoman and MoMA PS1), New York, NY	2016
SELECT SPEAKING ENGAGEMENTS	
INVITED TALKS	
— Invited Speaker, <i>HUSH Creative Jam</i> , HUSH Studios.	2019
— Guest Lecturer, Data Visualization Portfolio Development, Infographics and Data Visualization Design	2019
Certificate Program, Parsons The New School.  — Invited Speaker, "Textual Topographies and Procedural Residue," Poetics of Information Symposium, NYU.	0010
— Invited Speaker, "Introduction to Data Visualization," Learning and Development Series, Two Sigma.	2018 2018
— Invited Speaker, "Visualizing Joyce's Ulysses: 'Sirens' as a Graphic Score," Joyce in the Digital Age,	2017
Columbia University.	2017
Invited Speaker, "In the Same Boats: Geographic Visualization Considerations," Digital Humanities for	2017
Caribbean History: A History Design Studio Workshop, Harvard University.	
— Invited Speaker, "Unstable Spaces: Autonomous Data and Graphical Accountability," Lede Program,	2016
Columbia University Graduate School of Journalism.	
— Invited Speaker, "Visualization and Information Design," Innovative Teaching Summer Institute (ITSI),	2016
Columbia University Center for Teaching and Learning (CTL).	
— Invited Speaker, "Data Visualization for Social Good: The Building Ownership Project," Open Data Science	2016
Conference (ODSC) East, Boston.	
— Invited Speaker, "Encoding Ambiguity: Visualizing Qualitative Relationships and Uncertain Values," The Art	2016
of Data Visualization, Columbia University.  — Workshop Leader, "Introduction to D3.js," The Art of Data Visualization, Columbia University.	2016
— workshop Leader, introduction to bo.js, The Art of bata visualization, Columbia Oniversity.	2016
INVITED WORKSHOPS	
<ul> <li>Invited Participant, Unflattening and Enacting Visualization, CUNY Graduate Center.</li> </ul>	2016
PUBLICATIONS	
- COLICATIONS	
ARTICLES	
— "Une carte textuelle de la frontière alaskaine [Mapping the Alaska Boundary]," trans. Philippe Rivière.	2020
visionscarto. (2020 August 25). https://visionscarto.net/carte-textuelle-alaska	_3_0
WORKSHOPS	
— Rogowitz, B., Kwon, B.C., & Fuhrman, E. (2018). "Towards Guidelines and Practices for Teaching Data	2018
Visualization." Presented at VisGuides: 2nd Workshop on the Creation, Curation, Critique and Conditioning	
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of Principles and Guidelines in Visualization, IEEE VIS 2018: Berlin, Germany.

EMILY FUHRMAN ef2512[at]columbia.edu emilyfuhrman.co

# **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