### **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

Williamsburg, VA

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

2010

## PROFESSIONAL POSITIONS

Two Sigma	New York, NY
<ul> <li>Product Manager, Modeling Engineering, Portfolio Management &amp; Analytics</li> </ul>	2021-
— Product Manager, Venn Platform	2019-2021
— Senior Product Designer, Venn Platform	2016-2019
Huge Inc.	New York, NY
— Data Visualization Analyst	2014-2015
Booz Allen Hamilton	Arlington, VA
— Consultant, Advanced Analytics	2010-2012
— Intern	2009

# **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

- APAN 5500, Data Visualization and Design. Columbia SPS: Fall/Sum. 2017-18, Spr. 2019.
- ARCH 6805/4122, *Mapping for Architecture, Urbanism, and the Humanities*. Teaching Assistant (TA) w/Prof. Juan Saldarriaga. Columbia GSAPP: Spr./Fall 2016.

2016

— HIST 8495, Borderlands Seminar. TA w/Prof. Manan Ahmed. Columbia University Graduate School of Arts and Sciences (GSAS): Fall 2015.

### **AWARDS**

### 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

### **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
RESIDENCIES	
— Recurse Center, New York, NY	2021
— Helsinki International Artist Programme (HIAP), Suomenlinna, Finland	2011
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, HUSH Creative Jam, HUSH Studios.	2019
— Guest Lecturer, <i>Data Visualization Portfolio Development</i> , Infographics and Data Visualization Design Certificate Program, Parsons The New School.	2019
— Invited Speaker, "Textual Topographies and Procedural Residue," <i>Poetics of Information Symposium</i> , 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," <i>Joyce in the Digital Age</i> , Columbia University.	2017
— Invited Speaker, "In the Same Boats: Geographic Visualization Considerations," <i>Digital Humanities for Caribbean History: A History Design Studio Workshop</i> , 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," <i>The Art of Data Visualization</i> , Columbia University.	2016
— Workshop Leader, "Introduction to D3.js," <i>The Art of Data Visualization</i> , Columbia University.	2016
INVITED WORKSHOPS	
— Invited Participant, Unflattening and Enacting Visualization, CUNY Graduate Center.	2016
PUBLICATIONS	
FUBLICATIONS	
ARTICLES	
— "Une carte textuelle de la frontière alaskaine [Mapping the Alaska Boundary]," trans. Philippe Rivière. visionscarto. (2020 August 25). <a href="https://visionscarto.net/carte-textuelle-alaska">https://visionscarto.net/carte-textuelle-alaska</a>	2020
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

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

# PROFESSIONAL CERTIFICATIONS — CELTA (Certificate in Teaching English to Speakers of Other Languages), Cambridge Assessment English INTERESTS AND QUALIFICATIONS

- PADI Open Water Certified Diver

2019