Kate Stryker McManus

design | emerging technology | data visualization

katestrykermcm.com

katestrykermcm@gmail.com

914.787.0082

EDUCATION

Carnegie Mellon University
Masters of Human-Computer Interaction
August 2016 - August 2017

The Colorado College
B.A. Computer Science Major, Film Minor
September 2009 - May 2013

NYU School of Professional Studies
Data Visualization Programming Course
October - December 2015

SKILLS

Programming
JavaScript (jQuery, d3.js), HTML/CSS,
Processing, Python

Software
Adobe Creative Suite (Illustrator, Premiere,
InDesign, Photoshop, After Effects), Final Cut
Pro, Sketch, Invision

Design
Customer Journey Maps, Diagramming,
Visioning, Wireframing, Experience
Prototyping, Sketching, Storyboarding

Usability Testing
Heuristic Evaluation, Think-Alouds,
Paper Prototyping

User Research
Interviews, Contextual Inquiry, Competitive
Analysis, Affinity Diagramming, Sequence
Modeling, Surveys, Personas, Scenarios,
Fly-on-the-Wall, Speed-Dating

HONORS & AWARDS

1st Place, Data Viz Competition *2017*
Mortar Board Honor Society *2013*
Blue Key Honor Society *2013*
Math behind Poker Class Champion *2012*
Selig Fund for Global Study *2011*
Westchester Vic Ridder Scholarship *2009*

EXPERIENCE

NASA | Launch Countdown Technical Lead
January - August 2017 • Mountain View, CA

Created a web application prototype for displaying and
manuvering complex data during launch countdown.

Conducted in-depth research with NASA and analogous
domains and generated meaningful insights.

User-tested our prototypes from low to high fidelity.

Presented findings to client in 2 presentations, 2 books,
website, video, and weekly meetings.

Stroz Friedberg | Information Design Specialist
March 2014 - July 2016 • New York, NY

Designed and developed an internal web application to
standardize and automate data entry for Digital Forensics.

Spearheaded dashboard design and early front-end
development of client-facing website, CISO Portal.

Created visualizations to convey complex technical findings
to a variety of high-profile clients.

Led company-wide initiative to emphasize strong design in
work, as the first internal design employee.

Freelance UX & Information Designer
December 2013 - October 2016 • Pittsburgh, PA

Designed and developed 4 websites to effectively
showcase work of clients ranging from a tech-start-up's
home page to a Sports Television Director's portfolio.

Developed multiple iterations of recruiting brochures for
Stroz Friedberg's Marketing and Recruiting teams.

Created graphics **for Information Security Science;
Measuring the Vulnerability to Data Compromises by Carl
Young,** Chief Information Officer at The Juilliard School.

Montana State University | Computer Science Researcher
Summer 2012 • Bozeman, MT

Implemented and improved green networking algorithm in
a selective National Science Foundation program.

Presented data-driven results in a presentation and
published pap**er, Parity Balancing Path Flow
Decomposition and Routing.**

PUBLICATIONS ?