

# Ross Goodwin

www.rossgoodwin.com  
ross.goodwin@gmail.com  
202.525.7677

## Objective

A research and design role, specializing in creative applications of machine intelligence and natural language processing

## Technical Skills

Python, JavaScript, HTML/CSS, Torch, Processing, Arduino  
for

Data Science, Machine Learning, Natural Language Processing, Natural Language Generation, Computer Vision, Data Visualization, &c.

## Education

### New York University

New York, NY

Master of Professional Studies, Interactive Telecommunications Program (ITP)

September 2014 to May 2016

- Received Google Experiments in Storytelling grants for spring 2015, fall 2015, and spring 2016 semesters
- Lead numerous seminars on natural language processing, machine learning, and basic programming
- Thesis project details: <http://narratedreality.com>
- More project details: <http://thehypertext.com>

### Massachusetts Institute of Technology

Cambridge, MA

Bachelor of Science, Economics (Course XIV)

September 2005 to June 2009

- Researched foreign policy rhetoric of American politicians and other topics under the guidance of Professor Noam Chomsky
- Managed *Delve*, an education outreach program that provided free full-year AP classes for local high school students
- Burchard Scholar, 2007 (MIT School of Humanities, Arts, and Social Sciences)
- Dana Mead Award, 2007 (MIT Washington DC Internship Program)

### University of Cambridge

Cambridge, UK

Cambridge-MIT Exchange

September 2007 to June 2008

- Competed on the Cambridge Union's British Parliamentary debate team

## Experience

### Creative Technology

#### Google

New York, NY

January 2016 to Present

- Training LSTM recurrent neural networks on prose and poetry to create a series of books for Google's Artists and Machine Intelligence program
- Trained image captioning systems and LSTM recurrent neural networks to produce automatic poetic voiceover for DeepDream VR, exhibited at Gray Area in San Francisco in February 2016 and the TriBeCa Film Festival Internative Showcase in April 2016.

#### Columbia University

New York, NY

June 2016 to Present

- Installing an array of surveillance cameras with autonomous machine intelligence to visually survey and narrate a space in real time at Teacher's College EdLab

#### Future of Storytelling / Phi Center

Montreal, Canada

May to August 2016

- Exhibiting a machine intelligence camera that uses convolutional neural network image captioning and LSTM recurrent neural networks trained on prose and poetry to expressively narrate images

#### The Economist

New York, NY

March 2016 to Present

- Training LSTM recurrent neural networks on news archives from the Economist and economic data to generate headlines and articles

#### DBRS

New York, NY

March 2016 to Present

- DBRS Innovation Lab Artist in Residence, June 2016
- Training LSTM recurrent neural networks on technology news articles from the Guardian

**Fusion**

New York, NY

- Built a team to analyze and report on online data from candidates in the 2016 U.S. Presidential Election
- Utilized natural language processing to produce articles with in-depth analysis for fusion.net

August 2015 to April 2016

**IDFA DocLab**

Amsterdam, The Netherlands

- Exhibited word.camera, a collection of machine intelligence image-to-text translators, at the International Documentary Film Festival

November 2015

**Ufora**

New York, NY

- Built a term frequency – inverse document frequency library for clustering natural language documents by topic in Fora, Ufora's proprietary programming language for automatic parallelization

June to August 2015

**Policy & Writing****United States Department of the Treasury**

Washington, DC

**Financial Stability Oversight Council (FSOC)**

Special Assistant for FSOC Policy

June 2011 to February 2012

- Developed operations processes to stand up the Financial Stability Oversight Council (FSOC), a new agency created by the Dodd-Frank Wall Street Reform & Consumer Protection Act
- Drafted and edited FSOC-related Congressional testimony, talking points, and official correspondence for the Treasury Secretary and other senior FSOC officials

**Office of the Chief of Staff and Executive Secretariat**

Special Assistant

June 2010 to June 2011

- Modernized and automated document management processes for paper flow between Secretary Geithner and other senior officials to improve openness, transparency, and efficiency
- Wrote the Treasury Department's Weekly Report to the White House.
- Established and maintained a unified "Q&A Book" to ensure the Secretary, Deputy Secretary, and other senior Treasury officials delivered consistent messages during public appearances
- Drafted official memoranda, issued by Treasury's Chief of Staff and Executive Secretary, to establish and enforce agencywide processes
- Selected, compiled, and delivered Secretary Geithner's daily briefing materials, including information memoranda, working documents, external reports, and correspondence

**The White House**

Washington, DC

Presidential Writer, Coordinator for Proclamations

July 2009 to June 2010

- Wrote over 60 Presidential Proclamations for President Obama, including the President's first Thanksgiving Day and Martin Luther King, Jr., Federal Holiday proclamations, and initiated new observances, including National Entrepreneurship Week and Cesar Chavez Day
- Coordinated content and built consensus among advisors in policy-making offices at the White House

**Obama-Biden Transition Project**

Chicago, IL, and Washington, DC

Staff, Presidential Transition Team

November 2008 to January 2009

- Processed CVs, recommendation letters, and other materials from candidates for senior political appointments in the Obama administration

**Obama for America**

Chicago, IL

Communications Coordinator, Republicans for Obama

June to November 2008

- Developed and delivered a pragmatic message through online and print media to urge moderate Republican voters to support Barack Obama, and to publicize high-profile Republican endorsements

**United States Senator John Kerry, Senate Committee on Small Business and Entrepreneurship**

Boston, MA, and Washington, DC

Speechwriting Intern / Committee Intern

September 2006 to August 2007

- Wrote op-eds, talking points, speech segments, press releases, and letters for Senator Kerry
- Managed constituent casework related to healthcare, energy, and environmental policy