Yelin Hong

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EDUCATION:

Columbia University, New York, N.Y.   **Aug. 2013 – May 2015**
Dual Degree M.S. in Journalism and Computer Science
- Recipient of Geffen Scholarship Fund for excellence in academic achievement and overall record (two consecutive academic years)

Southeast University, Nanjing, China   **Sep. 2009 – June 2013**
Bachelor's Degree in Electrical Engineering
- GPA: 3.80/4.00, graduated with honors (top 5%)

EXPERIENCE:

The Wall Street Journal   **June 2015 – August 2015**
Interactive Graphics Intern
- Designed and built interactive graphics with editors and reporters
- Projects include one showing the share of days that Medicare's highest nursing-home rates in over 6000 nursing homes and a long-form narrative about worldwide religion trends.

The Atlanta Journal-Constitution   **June 2014 – August 2014**
Interactive/Data Journalist Intern
- Analyzed data and designed data visualization for long-form investigative stories with senior investigative journalists
- Projects include a data-driven story on racial disparity in the gifted program in Georgia and a investigate story on the change of prison population for the past 30 years in Georgia

Tow Center For Digital Journalism   **Oct. 2013 – March 2014**
Software Developer, Headcounts based on Image Analysis
- Built an image processing tool that can detect heads of people in large crowd in still and video photography using Matlab
- Adapted and improved existing computer vision libraries and state-of-the-art object detection techniques

djchina.org   **Oct. 2013 – present**
Editor, writer
- Pitch and write 500-600 word data-driven stories for the leading data journalism website in China every month, works range from interactive design to data visualization

Jinling Evening Newspaper, Nanjing, China   **Aug. 2012 – May 2013**
Educational Journalist Intern
- Conducted interviews, developed news stories of education and local social issues for the largest news agencies in Nanjing which has a daily circulation of one million

Skyworth Co., Ltd, Nanjing, China   **July 2012 – Sept.2012**
Software Engineer
- Contributed to the design of middleware of *Smart Home*, a embedded wireless sensor network for healthcare
- Wrote C programs of software interface to receive and analyze data collected by sensors

SKILLS:

Web design/Visualization:
HTML, CSS, JavaScript/jQuery, d3.js, Backbone.js

Programming Languages:
Expertise: Python, Java, Matlab;
Proficient: C++

Maps:
CartoDB, Mapbox, Google Maps

Data Analytics:
Expert level skills using SQL, XML, JSON, and tools like R, Lisp, Google Refine; highly proficient with APIs

Multimedia:
Digital audio/video editing (Final Cut Pro and Adobo Audition)

Languages:
Bilingual Mandarin-English

COURSES:

Journalism: Reporting, Narrative Writing, Video Storytelling, Computational Journalism, China Seminar (high honor student)

Computer Science: Advanced Database, Machine Learning, Artificial Intelligence, Natural Language Processing, Programming Language Translator, Computer Network (teaching assistant)