Sihao Chen

3939 Chestnut St Apt 701
Philadelphia, PA, 19104
(217) 904-0245
fchen0217@gmail.com
www.seas.upenn.edu/~sihaoc/

EDUCATION

University of Illinois, Urbana Champaign
B.S. in Computer Engineering with Honor
Aug 2014 - Jan 2018
GPA: 3.60/4.0

INTERESTS

Natural Language Processing, Machine Learning

RESEARCH EXPERIENCE

Research Programmer — Jan 2018 - Present
Cognitive Computation Group @ UPenn
Advised by Prof. Dan Roth

Undergraduate Research Assistant — Jun 2017 - Jan 2018
Cognitive Computation Group @ Illinois
Advised by Prof. Mark Sammons and Prof. Dan Roth

CURRENT PROJECTS

Sihao Chen, **Daniel Khashabi**, Wenpeng Yin, Chris Callison-Burch and Dan Roth. See Things from a Different Angle: Finding Diverse Perspectives about Queries (Under Review)

Sihao Chen, Mark Sammons, Dan Roth, Scott Althaus.
"Can The Lady Speak?": A new approach to measuring gender inclusion using sourcing patterns in news coverage. (In preparation for submission)

INTERNSHIP

Software Engineering Intern — May 2015 - August 2015
FNDsoft (now acquired by China Pacific Insurance Company), Shanghai, China

- Designed and developed data analysis and visualization libraries for China Pacific Insurance Company (CPIC)

OTHER PROJECTS

Muscle Pressure Detection: Improving Prosthetics Efficacy
Senior Thesis project sponsored by Psyonic

- Developed kernel based C-SVC classification model in microcontroller to predict prothestics finger/wrist gesture from upper limb muscle movements.

Mobile Camera Image Quality Enhancement Experiment
Technical Report, Class project

- Proposed a new task and dataset for recovering low-dynamic-range, high-circuit-noise images shot by camera phone. Proposed strong GAN-based baselines.

SKILLS

- Python, Java, C, C++, x86, System Verilog, Javascript

AWARDS

- Recipient of the second prize in *N*ational Olympics in Informatics in Province in Shanghai, China, 2013