

Si-Qi LIU | Curriculum Vitae

Keble College, Parks Road – OX1 3PG, Oxford – United Kingdom

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Education

MSc in Computer Science, Keble College, University of Oxford, UK

COSF B&J Lloyd Family Trust scholarship recipient. Graduating with distinction. Oct.2015–Sep.2016

Diplôme d'Ingénieur (M.Eng), CentraleSupélec, France

Top-3 French Grandes Ecoles, ranked 1st on Metz campus, overall GPA 3.9/4.0. Jun.2013–Feb.2017

Licence II, Université de Technologie de Compiègne, France

Overall GPA 3.99/4.0, AMESON scholarship recipient. 2011–2013

Experience

Google Research

Software Engineer Intern on Machine Intelligence (Hosted by Kevin Murphy)

Mountain View

Jul.2016–Nov.2016

- Learning to describe images beyond standard MLE optimization methods;
- Significantly outperform MSCOCO leading methods with a much simpler model architecture;
- Paper under review for CVPR 2017;

Google

Software Engineer Intern on Adwords-Optimization

New York

Jun.2015–Sep.2015

- Built offline evaluation pipeline for Adwords conversion rate prediction models;
- Enables large-scale experiments in hours instead of weeks.

Collabora

Consultant Software Engineer (part-time)

Feb.2015–May.2015

- Open-source contribution to port LibreOffice from desktop to mobile;

Google

Software Engineer Intern on Search-Knowledge

Zurich

Jun.2014–Sep.2014

- Built models for entity resolution in search queries and web documents;
- Work presented at the Google EMEA intern summit;

LibreOffice

Google Summer of Code contributor

Jul.2013–Jan.2014

- Built LibreOffice Impress remote control for iOS;
- Featured in LibreOffice 4.2 and LibreOffice developer conference;

Selected Projects

txt2calories: Nutrition Estimation via Natural Languages

Computational Linguistics Group, University of Oxford (supervised by Phil Blunsom) Feb.2016–Jul.2016

Metabolise: Fitness Tracking with Nutrition Estimation from Text

3rd place at hackathon HackCambridge, Cambridge, UK Jan.2016

im2food: Object Detection for Food with Convolutional Neural Nets

Machine Learning and Interactive Systems Lab, CentraleSupélec Jan.2015–Jun.2015

Gesture-based vision control system for onboard drone cameras

Machine Learning and Interactive Systems Lab, CentraleSupélec Dec.2013–Sep.2014

bits, recurrent tasks manager for Android

4k+ downloads and 4.3/5 rating <https://goo.gl/H24gY7> Apr.2014–Aug.2014

Associations

Rézo, CentraleSupélec

Vice-President, development lead

2013–2015

- Provides web services and network infrastructure for students in Metz area;
- Organised meet-ups on practical software engineering topics (git, ROS, Django, Python, Android/iOS);

Lumière d'Afrique, CentraleSupélec

Volunteer

2013–2014

- Fund-raising for solar-powered lighting installation in schools and hospitals in Cameroon;

UTCoupe, Université de Technologie de Compiègne

Vice-President, tech lead

2012–2013

- Participated in French Robotics Cup, ranked 18th out of 144 teams, university record;
- Lead developer for AI, adversary and object detection modules;

ClubChine, Université de Technologie de Compiègne

Founder, President

2011–2012

- Organized cultural exchange activities, largest cultural association on campus with over 200 active members;

Languages

French: Bilingual Proficiency (EU C2 Proficiency)

English: Bilingual Proficiency, TOEFL 115/120

Chinese: Native Speaker

Japanese/German: Elementary Proficiency

Skills

Focuses: Natural Language Processing, Reinforcement Learning, Deep Learning, Computer Vision, Distributed Systems, Mobile

Languages: C++, Python, Go, lua, Java, Scala, Obj-C, Matlab

Interests

- Travel: originally from Beijing, lived in Paris, Zurich, New York, Oxford and San Francisco.
- Sports: badminton, rock-climbing and running.