

Yao (Marc) Wang

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EDUCATION EXPERIENCE

Peking University, School of EE&CS, Beijing, China

September 2013 – July 2017

Expected Bachelor of Science in Machine Intelligence

CS major GPA: 3.46/4.00 (top 20%)

- Courses include: Introduction to Artificial Intelligence, Human-Computer Interaction, Digital Image Processing, Web Software Technology, Algorithm Design and Analysis, Introduction to Computer Systems, Probability Theory and Statistics(A)

Honors: Peking University Merit Student, 2014 – 2015; 4th place of Men's 1000m race in Peking University Sports Meeting 2015

RESEARCH EXPERIENCE

Department of Neurology & Computer Science, UCLA

June 2016 – September 2016

Advisor: Fabien Scalzo Role: Undergraduate Researcher

- Submitted the research results to International Symposium of Visual Computing (ISVC)
- Individually engaged in the project of the flow tracking in perfusion magnetic resonance images
- Realized MR images pre-processing, perfusion contrast computation and gradient acquisition algorithms
- Systematically learnt and practiced MATLAB, and maintained the code by Github

Key Laboratory of Machine Perception (Ministry of Education), PKU

September 2015 – February 2016

Advisor: Hongbin Zha Role: Undergraduate Researcher

- Participated in a Computer Vision Laboratory as a member of Dr. Hongbin Zha's team, focused on augment reality
- Practiced MATLAB and openCV, had the competence to develop simple image processing programs including point feature extraction, matching and foreground-background segmentation

Treehacks, Stanford

February 2016

Hacker

- Selected from 50+ candidates as a representative of China team of 5 participants
- Developed *PhotoMagic*, an image auto-toning software, which could automatically realize image partition and semantic recognition
- Implemented PHP, HTML5, Python, openCV, Wolfram Alpha in image processing

Construction of Social Network Analysis System, PKU

November 2014 – January 2015

Undergraduate Researcher

- Analyzed the basic characteristics of social network, established a model based on graph theory
- Used "SIGMOD 2014" data set, successfully analyzed a social network of 10k members
- Realized Bread-first search, Depth-first search and Dijkstra Algorithm

ENTREPRENEURSHIP EXPERIENCE

Sanding Network Technology, Beijing, China

June 2014 – September 2015

Co-founder / principle soft engineer

- Extensively engaged in Ruby on Rails structure using MVC software developing pattern, learnt and practiced web languages including HTML, Less, AngularJS, JQuery and Ruby
- Led the team of 3 programmers, used the Waterfall Model to manage the developing process of the project

LEADERSHIP ACTIVITIES

Student Union, School of EE&CS, Beijing, China

September 2015 – Present

Student President

- Organized *HackPKU 2016*, the very first Hackathon in Peking University, attracted 172 attendees from 8 universities
- Developed hackpku.com, received positive feedback from entrepreneurs, university teachers and students

Social Practices Group, School of Journalism & Communication, Xining, China

June 2014-July 2014

Member

- Supported tutorial program in Datong County High School of Minority Races

SKILLS&INTERESTS

Language: Mandarin(native), English(fluent), German(B1), French(primary)

Programming Languages: HTML, C++, C, Less, AngularJS, JQuery, PHP, Java, MATLAB, Ruby, Python, OpenCV, GitHub