AdamYi

full-stack developer, white hat hacker and enthusiastic researcher

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education

Beijing 101 High School
2012 – 2018

programming

C, C++, PHP
Java, Golang, Python
Swift, Objective-C
Matlab, LaTeX, Shell
Kotlin, JavaScript
CSS3 & HTML5

last updated

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computer science

MUNPANEL Jun. 2016 – Present
Founder & Chief Technology Officer
- Came up with the idea to design an online Model UN system that connects all conferences, clubs, and MUNers together by facilitating oraganizers and participants of different conferences and clubs with one unified system.
- Led a team of 4 members to develop and run the Model UN platform, which has served 2 conferences, 170+ registered schools, and 2,000+ users, with 500+ maximum DAU (daily active users), 235,000+ total visits and 490,000+ CNY cash flow till July 2017.

White Hat Hacker (Ethical Hacker) Feb. 2015 – Present
- Discovered 10+ vulnerabilities of large corporations, like GlobalCash, a prepaid MasterCard provider in Hong Kong, Apple Inc, etc.
- Received 4,000 CNY award and a Huawei Smart Bracelet for free due to a zero-day vulnerability of eYou, most widely-used email server software in China.

Google Beijing Jun. 2016 – Present
GDSub Translator (Volunteer)
- Translated English subtitles of keynotes and sessions of Google I/O 2016 and 2017 into Chinese for official Youtube and Youku channels.
- Invited by Google DevRel to Google Beijing Office, and as a community partner to Google I/O 2017.
- Volunteered at several local events like TensorFlow Dev Summit 2018 Extended Beijing at Google Beijing Office.
- Currently integrating the official Tensorflow Developer Forum with reCAPTCHA and developing a special reverse proxy for Google Forms supporting several China-specific features like logging in with WeChat.
- Contributed to several open-source projects at Google.

Chaoli Forum Nov. 2014 – May. 2015
Co-Founder & Developer
- Developed functions like documents uploading, CDN integration, customer feedback, etc. based on esoTalk, a no-longer maintained open source forum program, as a member of the initial development team and founding team of Chaoli forum, a forum for Math, Physics, Chemistry, and Informatics lovers, which now has 5,000+ users and 40,000+ threads.

model un

Beijing 101 High School Model UN Club Aug. 2016 – Aug. 2017
Co-Leader
- Attended more than 10 conferences in China as either delegate, academic team member, or organizing team member.
- Managed the second largest club in Beijing 101 High School together with 10 other students.
- Designed classes to teach new club members key Model UN skills such as game theories.

Beijing Model United Nations Association for High School Students Aug. 2016 – Aug. 2017
Director of Academics (English)
- Managed the largest Model UN association consisting of 60+ member schools together with 12 other organizing team members.
- Took charge of all facets of English committees in two largest Model UN conferences for high school students in Beijing, such as reviewing academic design, background guide, etc.
- Run the web, email, ns & git server of the association.

research

MessageOnTap, PersonalGraph (Pocket) & DeepScrub   Dec. 2016 – Present
Researcher
- Came up with the core architecture and developed MessageOnTap, an Android framework for developers to develop IM plugins, which will be open sourced in a few months, as one of the 4 core members in a team of 12 instructed by PhD student Fanglin Chen at CHIMPS Lab, Human-Computer Interaction Institute, Carnegie Mellon University.
- Developed an online system and hired 2,500+ Amazon mTurk workers to annotate sensitive information in 65,000+ pieces of data for us to train a (WIP) deep learning PII (Personally Identifiable Information) scrubbing algorithm.
- Received a GPU donation worth $1,200 from NVIDIA Corporation to support myself to conduct research in NLP (Natural Language Processing).
- Trained a Word2Vec model with Reddit data to predict apps user might use.
- Currently designing a semantic-structured graph database (Pocket) for mobile personal data, and co-authoring paper.
- Run the internal Git, Maven & Jenkins server used by our team.

A New Type of Catkin Collecting Device   Jun. 2015 - Oct. 2016
Independent Researcher
- Built a catkin collecting device to address the severe air pollution – specifically, airborne catkins – in China.
- Won the second prize of the 16th Awarding Program for Future Scientists, and received 20,000 CNY as a reward.
- Selected into national ISEF training camp.

A New Type of Fast Particulate Matter Detector   Jul. 2014 - Apr. 2015
Independent Researcher
- Built a new type of particulate matter detector capable of detecting particulate matters of different diameters in varied environments or surfaces using the light scattering method.
- Won the gold medal of 43rd International Exhibition of Inventions of Geneva from Swiss Government and World Intellectual Property Organization and one of the Special Award from Taiwan Invention Association.
- Covered by media reports by news agencies including but not limited to Swissinfo (Swiss Broadcasting Corporation) and Xinhua News Agency (the official press agency of PRC).
- Applied for an invention patent CN105486617A.

school activities

Beijing 101 High School Student Union   Oct. 2012 – Present
Director of Technology Department
- Helped coordinate and check daily affairs of the whole grade as a member of the General Affairs Department of the Student Union of the grade from 2012 to 2015.
- Helped sell school souvenirs like bear and alpaca toys in school uniform, as a member of the Liaison Department of the School Student Union in 2016.
- Coordinated with the student union of other schools in Beijing to organize several large inter-school events like the inter-school Christmas Express.
- Elected as the founding Vice Director of the newly established Technology Department in October 2016 and later became the Director.
- Recruited 2 additional members for the Technology Department and organized several tech-related events in school, such as the School Science Festival together.
- Provided Wi-Fi support for several important school events, such as the Adult Ceremony for senior students.

TEDxYouth@Beijing101   Jun. 2014 – Present
Volunteer
- Managed tech-related devices like the HDMI Matrix Switch and timer of TEDxYouth@Beijing101 2014 as the only grade 9 volunteer, and again in 2015.