Yi Yang
"Steve"

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git yyang

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WORK EXPERIENCES

July 2012 - Present
Shantou University
Administrative Assistant

» (2012 - 2013) Programmed web UI for MYSTU, the Shantou University e-Learning project;

» (2012 - 2013) Designed social model for MYSTU to enable peer communication and learning;

» (2013) Served as technical consultant for Project Prometheus and Project Expedition (Antarctica expedition);

» (2013 - 2014) Designed and programmed the knowledge map for e-Learning, allowed knowledge exploration and discovery for students;

» (2013 - 2014) Collaborated with Kuato Studios to integrate artificial intelligence enabled smart tutor into MYSTU, and also the other game products of Kuato;

» (2014) Independently designed and developed PR tracking system for LKSF, mainly focused on visualizing the impact of all news reports;

» (2014) Introduced edX to MYSTU as its learning center;

July 2011 - September 2011
Genetic Finance, LLC
Summer Intern

» Analyzed the I/O characteristics of multiple NoSQL databases for massive parallel artificial intelligence algorithm with focus on Apache Cassandra;

» Programmed a benchmark package for testify certain use cases;

October 2010 - July 2012
Biff Networking, Inc.
Founder

» Started the company with friends, target at providing better sorted social network stream for end users;

» Designed an engine to do data analysis in real-time, so as to provide well-sorted updates before pushed to client;

January 2006 - July 2012
State Key Lab. on Rare Earth
Materials Chemistry and Application
Peking University
Undergraduate Research Assistant

» (2006 - 2010) Worked on the large and semi-industrial scale synthesis of biocompatible yttria stabilized zirconia nanoceramic for dental restoration;

» (2009 - 2011) Separation of palladium nanocrystal via centrifuge; Explored ways to build robot for automatic nanocrystal synthesis;

» (2011 - 2012) Synthesized Tb^{3+}, Yb^{3+} co-doped rare earth orthophosphates and characterized their quantum cutting properties;

» (2008 - 2012) Managed IT facilities and some instruments within research group, including data server and workstation maintenance;

EDUCATION

September 2008 - July 2012 **Peking University**	» Bachelor of Science in Materials Chemistry; » Joined Rare Earth Separation and Inorganic Materials Group, College of Chemistry and Molecular Engineering under Professor Chun-Hua Yan; » Thesis: Microwave assisted hydrothermal synthesis of Tb, Yb co-doped rare earth orthophosphates and their quantum cutting properties;

LEADERSHIP EXPERIENCE

September 2008 - December 2012 **Little Scientists Reward Programme**	» Coordinated volunteer activities to help finalists better participate judging sessions; » Initiated the annual alumni event since 2011; » Organized alumni event for 2011 and 2012 programme;
April 2010 **Asia International Model United Nations**	» Served as Chief Editor of AIMUN Daily; » Formed a team of 8 journalists from different universities; » Responsible for both text and photo publishing on AIMUN Daily newspaper;
March 2006 - March 2010 **Peking University National Model United Nations**	» Team leader of delegates from Beijing Huiwen Middle School, 2007; » Faculty Advisor of PKUNMUN 2008, 2009 and 2010; » Co-edited the book *MUN Creates Future* (in Chinese) with PKUNMUN alumni to document the experiences and practises by PKU Model UN Association;

AWARDS

May 2008	3rd Prize, Intel International Science and Engineering Fair (ISEF) 2008;
November 2007	Top Prize, 7th Little Scientists Reward Programme;

SKILLS

Natural Languages	Mandarin Chinese (Native), English (Fluent)	
Programming Languages	Professional: Moderate:	JavaScript, Objective-C, Java Bash, C, C++, Java, PHP, SQL, Swift
Technical Skills and Tools	Data Related: Design: Web Tech.: One of a Kind:	Big-Data Warehouse, Data Analytics, Data Visualization (expert) InDesign, Photoshop, Fireworks, Illustrator HTML5 & Web Standard, SVG, Canvas AI, Git, NLP, Phabricator
Interests	Swimming, Cycling, Photography	