

Yue Wang

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Education

2009–2011 **MS, Environmental Studies**, *University of Wisconsin - Madison*, Madison, WI.

advisor: Professor Mutlu Ozdogan

2007–2009 **MS, Computer Science**, *University of Wisconsin - Madison*, Madison, WI.

advisor: Professor Eric Bach

2003–2007 **BS, Computer Science and Engineering**, *UCLA*, Los Angeles, CA.

gpa: 3.76/4.0

honors: Cum Laude

Experience

2013–Present **VP of Technology**, *8to18 Media*, Chicago, IL.

8to18 acquired Leaguevine and brought my co-founder and I on to lead their entire tech team. Architected a long term migration path of their old existing products into a more stable and scalable system. Hired interns and developers, helped set the path for most parts of the business, helped set the technical roadmap, worked on launching new products, managed existing products, and contributed to the primary existing code base which is in Rails.

2012–Present **Developer, Product Lead**, *PACE Systems*, Naperville, IL.

Built a scheduling system (<http://pacescheduler.com/>) for Fire Departments to schedule and manage their employees. Built a proprietary method to optimize the schedules based on inputs including the seniority of the employee, the times employees can work, the days and times the employees prefer, which roles each employee can take on, and how many shifts the fire chief ideally wants to give to each employee. Used a custom variant of projected gradient descent in the continuous space to solve a constrained linear least squares problem formulation.

2012–Present **Founder, CTO**, *Upkeep Charlie*, Greenville, SC and Chicago, IL.

Founded Upkeep Charlie (<http://upkeepcharlie.com>) with Stefan Hahn and Peter Barth, the managing director of The Iron Yard. The business gives home owners a simple way to order home maintenance tasks from vetted service professionals using an iPhone app. Built the backend in Python/Django, created a frontend for service professionals, and built a REST interface to connect to our iPhone app.

summer 2012 **Participant**, *The Iron Yard*, Greenville, SC.

Attended a 13 week startup accelerator program called The Iron Yard (<http://www.theironyard.com/>) in Greenville, SC. Leaguevine was one of 10 companies selected for the program out of over 350 applicants worldwide. The Iron Yard provided seed capital, tons of advisors, business interns, design interns, office space, and legal services in exchange for 6% equity.

2010–Present **Founder, CEO**, *Leaguevine*, Madison, WI, Chicago, IL, and Greenville, SC.

Developed the site <http://leaguevine.com> using Python and the Django framework. The business focuses on giving non-professional athletes their own online sports profile with access to real-time statistics applications to show off their accomplishments. Built the initial site myself, brought on a co-founder, raised seed capital, brought on interns and contract workers, cultivated a thriving group of developers who build products on our API, and sold the company in 2013.

- 2009–2011 **Research Assistant**, *University of Wisconsin - Madison*, Madison, WI.
Conducted research in remote sensing under Professor Mutlu Ozdogan with the assistance of Professor Jerry Zhu within the Centre for Sustainability and the Global Environment (SAGE). Worked on developing new statistical classification algorithms to utilize satellite images of varying spatial and temporal resolutions concurrently.
- summer 2009 **Intern**, *India Institute of Science*, Bangalore, India.
Worked at the Center for Sustainable Technologies primarily assisting other graduate students with various water quality projects. Traveled to villages 1-2 hours outside Bangalore to perform water quality analysis. Learned standard techniques for analyzing water samples and performing on site assessments.
- 2008–2009 **Project Manager**, *Engineers Without Borders*, Orongo, Kenya and Madison, WI.
Led the EWB-UW Madison Kenya project for one of my four years while being involved. Recruited and organized the beginning of the group, bringing in approximately 40 students the first year. Determined the direction of the project. Managed finances, funding, and logistics both in Madison and in Kenya. Wrote reports, documented our project, and presented our work at various venues. Traveled to Kenya four times for approximately 20-28 days each time.
- 2008–2011 **Webmaster**, *Engineers Without Borders*, Madison, WI.
Created a website from scratch (<http://www.ewbuw.org>) using the Drupal CMS. Used PHP, HTML, CSS, and MySQL to create dynamic pages that allow officers to update content quickly and easily. Taught future webmasters how to create and manage a simple website such as this one.
- 2007–2009 **Teaching Assistant**, *University of Wisconsin - Madison*, Madison, WI.
Was a teaching assistant for courses titled "Foundations of Scientific Computing", "Machine Organization and Basic Systems", and "Introduction to Algorithms." Held weekly review sessions and office hours. Gave lectures while the instructors are out of town. Wrote and graded assignments. Proctored and graded exams.
- 2006–2007 **Undergraduate Research Assistant**, *UCLA*, Los Angeles, CA.
Worked for Professor Miodrag Potkonjak on hardware authentication problems. Wrote a complex C++ program using linear programming to solve whether or not a digital logic circuit contains unwanted circuitry inserted by an 'attacker'.
- 2005–2007 **Webmaster**, *Tau Beta Pi*, *UCLA*, Los Angeles, CA.
Set up a LAMP (Linux, Apache, MySQL, PHP) server and created the website <http://tbp.seas.ucla.edu> using the Dragonfly CMS. Used PHP, MySQL, JavaScript, and HTML to write custom pages for logged in users to contribute content. Created a searchable, password protected collection of past examinations. Trained future webmasters.
- 2005–2007 **Webmaster**, *Smaug*, Los Angeles, CA.
Helped build and maintain a website for UCLA's Ultimate Frisbee team (<http://www.smaugultimate.com>). Created a PHP program to take human readable text output from a palm pilot statistics program and parse it to enter the relevant information into a MySQL database. Created dynamic pages for users to view team results and statistics.
- 2005–2007 **Lab Assistant**, *Automated Reasoning Group*, *UCLA*, Los Angeles, CA.
Assisted in the development of a Java based Bayesian Network tool called Samiam (<http://reasoning.cs.ucla.edu/samiam/>). Managed the server and website. Set up an additional website for privileged users for bug tracking and usage statistics. Assisted graduate students by writing testing scripts in Perl.
- summer 2001, 2003, 2004 **Intern**, *PACE Systems*, Naperville, IL.
Configured and assembled large numbers of PCs and servers as specified by high volume clients. Worked on customer service helping physicians of Illinois obtain and set up high speed internet. Helped maintain a staffing service website along with significant paperwork and data entry.

Technical Experience

Extremely Proficient With

languages C, C++, Python, Ruby, JavaScript, Matlab, HTML, CSS, JSON
technologies Django, Rails, Drupal CMS, MySQL, SQLite, \LaTeX , Bash Scripting, Git, Vim, PostgreSQL, jQuery, Bootstrap, Backbone, Windows, Ubuntu & Red Hat Linux, OSX

Have Experience With

languages PHP, Java, Objective C, Fortran, Perl, Scheme, OCaml, ML, Lisp, Prolog, VHDL, IDL
technologies Apache, Nginx, DB2, Joomla CMS, Dragonfly CMS, Emacs, Flash, Photoshop, Seashore, HAML, SQL Server, ENVI, Visual Studio, Eclipse, .NET

Relevant Coursework

University of California, Los Angeles

computer science Programming in C++, Digital Design, VHDL, CAD tools, Machine Language (MIPS), Computer Network Fundamentals, Physical Layer of Computer Networks, Programming Languages, Computer Architecture, Algorithms, Complexity Theory, Databases, Operating Systems, Digital Graphics
electrical engineering Electromagnetics, Semiconductors, Systems and Signals, Circuit Analysis

University of Wisconsin, Madison

computer science Quantum Computing, Arithmetic Algorithms, Advanced Complexity Theory, Harmonic Analysis of Boolean Functions, Computational Cognitive Science, Bioinformatics, Combinatorics, Artificial Intelligence, Advanced Databases
remote sensing Environmental Remote Sensing, Digital Image Processing
business Entrepreneurship and Small Business Management, Venture Creation

Honors

honor societies Tau Beta Pi, Eta Kappa Nu, Golden Key, Upsilon Pi Epsilon
dean's list 2 semesters at UCLA
fellowships Offered Southern California's Provost Ph.D. Fellowship in Electrical Engineering

Activities

2004–2007 **Ultimate Frisbee Club Team**, *UCLA*, Los Angeles, CA.
Practiced four times a week and traveled across the western united states for between 10 and 12 tournaments each year.
2007–2011 **Ultimate Frisbee Club Teams**, *UW-Madison*, Madison, WI.
Practiced and traveled with three Madison based ultimate frisbee club teams. Played in numerous recreational leagues.
2007–2011 **Engineers Without Borders**, *UW-Madison*, Madison, WI and Orongo, Kenya.
Began a long term irrigation system project to allow the members of Orongo to grow more profitable crops. Started an income generating agroforestry project at a Kenyan Primary School. Built and tested prototype biosand filters in both Kenya and Madison. Built and tested prototype low cost solar cookers in both Kenya and Madison.

2011-present **Ultimate Frisbee Club Teams**, *Ultimate Chicago*, Chicago, IL.

Coached, captained, and played on several teams in recreational leagues.

Other Current Hobbies.

Web Programming, Camping, Hiking, Backpacking, Traveling, Road Trips, Basketball, Piano, Guitar