ELAINE ZHOU

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EDUCATION

Stanford University | Stanford, CA   9/2011 – present
B.S. Candidate in Computer Science 2015, Minor in Mechanical Engineering Design, *GPA:* 3.7/4.0
– Bing Overseas Studies Program | Berlin, Germany 9/2013 to 12/2013

EXPERIENCE

Uber Inc.
Software Engineering Intern | San Francisco, CA   Summer 2013

Created *Partners FAQ* tool to allow individual management of Q&A content. Created wireframes, designed mockups, and programmed front-end on internal web tools.

Revolution Prep Ivy Insiders
Branch Manager | Winter Park, FL   Summer 2012

Taught a 3-week small-group SAT preparation course to high school students whose test scores on average increased 283 points. Planned course curricula, and generated over $6,000 in revenue.

Shoe Land
Graphic Design Intern | Orlando, FL   Summers 2011, 2012

Designed seasonal sets of print advertisements for in-store display and materials for conferences, coupon clippings, and general marketing use.

LEADERSHIP & INVOLVEMENT

Stanford Engineers for Sustainable World (ESW)
Co-President   9/2012 – present

Partnered student project leaders with non-profits and non-governmental organizations, planned showcase, determined funding for interns' overseas travel, restructured two-quarter international development course.

Frost Experience
Administrator   3/2013 – present

Organized Interactive Art Installation Showcase at Stanford's Frost Festival (feat. MGMT). Planned and built an interactive experience through art and activities for 5000+ attendees. Created on-campus flyers.

Stanford Women's Leadership Conference (SWLC)
Co-President   9/2012 – 4/2013

Designed official conference logo, promotional bookmark, and other marketing material. Contacted numerous women leaders in various fields for invitation to speak at event, as well as mentor attendees.

RESEARCH & PUBLICATIONS

"Brainstorm, Define, Prototype: Timing Constraints to Balance Appropriate and Novel Design"
Stanford University | Stanford, CA   9/2012 – 4/2013

Conducted human creativity experiment on optimizing design methodologies. Examined the effect of varying timing of narrowed constraints on product's novelty and appropriateness.

"Shape Dependent Catalytic Oxidation of 2-Butanol over Pt Nanoparticles Supported on Υ-Al$_2$O$_3$"
University of Central Florida | Orlando, FL   7/2008 – 9/2011

Sought to understand chemical catalysis for green-tech applications. Synthesized Pt nano-catalysts and analyzed size & shape dependencies in decomposition and oxidation reactions.

AWARDS

2013 ACM User Interface Software & Technology (UIST) Symposium Presenter
2011 Intel Science Talent Search Finalist
2011 Lake Highland Preparatory School Valedictorian Speaker
2010 Intel International Science and Engineering Fair 3rd Grand Award

SKILLS

Programming: C++, C, Java, Python, Ruby, JavaScript, HTML, CSS, MySQL, Arduino, Android Java
Software: Adobe Illustrator, Adobe Photoshop, SolidWorks
Languages: Native English speaker, Fluent in Mandarin Chinese, Beginner in German
Music: Piano (13 years of solo training, 2 years of ensemble work)