

CHEN LU

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EDUCATION

Jun 2015	NORTHWESTERN UNIVERSITY Bachelor of Science in <i>Biomedical Engineering, Computer Engineering Track</i> Minor in <i>Computer Science</i> <ul style="list-style-type: none">Relevant Coursework: Data Structures, Artificial Intelligence, Computer Systems, Databases, Advanced Digital Logic Design, Microprocessors, Tools and Technologies of the World Wide Web.GPA: 3.45 / 4.00	Evanston, IL
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WORK EXPERIENCE

Jun 2013 – Present	J.P. MORGAN CHASE & CO. <i>Technology Summer Analyst</i> <ul style="list-style-type: none">Implemented an open source technology solution to automate developer functionality testing for in house software that is used by over 10,000 employees.Increased testing accuracy and efficiency by over 75% with simple one-click automation after initial set-up.Saves over 60% of daily wellness effort by replacing manual process, equating to savings of \$15,000 per year.	Chicago, IL
May 2012 – Sep 2013	NORTHWESTERN NEUROBIOLOGY LABORATORY <i>Research Assistant, Software Engineer</i> <ul style="list-style-type: none">Coded and launched a program that bridges between Arduino and Matlab to add thresholding functionality to a custom built testing rig to automate data collection of mice's olfactory system sensitivity.Headed a documentation effort to reduce future onboarding requirements and improve scalability.	Evanston, IL

PROJECTS

Jan 2013 – Present	NORTHWESTERN WORLD CUP REGISTRATION (NODEJS/ MEAN STACK) <ul style="list-style-type: none">Increased the efficiency of the registration process by over 90% by migrating from manual Excel table entries and constraint checking to automatic registration by creating a single page application for player and team registration using Nodejs, Expressjs, MongoDB, and Angularjs.	Chicago, IL
Jan 2013 – Present	GAME DEVELOPMENT (ASSEMBLY LANGUAGE) <ul style="list-style-type: none">Created a 2-D side scrolling game that implements simple physics, collision detection, fixed point arithmetic, sprite detection, and basic optimization techniques in assembly language for the Intel IA-32 processor architecture using MASM32 directives.	Evanston, IL
Jan 2013 – Present	ALGORITHMIC STOCK ANALYTICS (RUBY ON RAILS) <ul style="list-style-type: none">Designed a web-app combining stock evaluation algorithms, Ruby on Rails, and the Yahoo Query Language to analyze historical stock data and provide confidence intervals for estimated profitability.	Chicago, IL

LEADERSHIP

Jan 2012 – Present	PI ALPHA PHI FRATERNITY <i>Vice President, Recruitment Chair</i> <ul style="list-style-type: none">Founded and chartered the only Asian American Fraternity on campus by creating a 30 page petition following Northwestern's Greek Expansion Policy and corresponding to over 100 emails throughout a year-long colonization process.Formulated and enacted our first plans for rush and value-based recruitment, effectively more than doubling our number of active members within one year.	Evanston, IL
Oct 2012 – Present	NORTHWESTERN DANCE MARATHON <i>Group Leader and Co-Founder of All Cultural Effect</i> <ul style="list-style-type: none">Spearheaded a group of over 50 students bridging between every cultural group on campus to participate in the largest student run philanthropy in the U.S.Organized fundraisers for dancers and raised over \$20,000 to support the Danny Did Foundation and Team Joseph.	Evanston, IL

ADDITIONAL

Languages:	Mandarin Chinese (<i>fluent</i>), Spanish (<i>conversational</i>)
Interests:	Photography and post processing, surfing, fitness
Skills:	Java, C++, Matlab, Minitab, Arduino, Assembly Language, HTML, CSS, Javascript, Nodejs, Angularjs, MongoDB, Ruby on Rails, Microsoft Office Suite