Stefan Lance

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EDUCATION

University of Chicago, Chicago, IL   expected Jun. 2017
BA in Computer Science and Mathematics, GPA: 3.78 / 4.00

TECHNICAL SKILLS

Programming Languages: Ruby, C, Python, C++, Javascript, Racket, x86 Assembly Language
Other Languages: HTML, CSS, SQL, Bash
Tools and Technologies: Unix, Git, PostgreSQL, SQLite, Subversion
Frameworks and Libraries: Rails, Jekyll, jQuery, Drupal

WORK EXPERIENCE

Student Participant in **Google Summer of Code 2015,** Chicago, IL   Jun. 2015 – Present
– Writing three major features in Ruby for version 2.0 of Bundler, a dependency manager for Ruby projects
– Built a user friendly file-based command configuration system to replace error-prone command line configuration code
– Increased encapsulation by changing the default system-wide dependency installation path to be local
– Implementing a system-wide cache for said dependencies to eliminate redundant installations and increase performance

Web Intern at the **UChicago Masters Program in Computer Science,** Chicago, IL   Jun. 2014 – Present
– Developed and launched two Rails websites, one of which collects and organizes advisors' project proposals, students'
applications, and advisors' evaluations of students, and the other of which lets students request and enroll in courses
– Integrating a staff member's backend script to generate schedules that maximize satisfaction of 40+ quarterly students
– Eliminated the need for the program staff to manually manage and collect applications, course requests, and schedules

Tutor at the **UChicago Computer Science Instructional Laboratory,** Chicago, IL   Feb. 2015 – Jun. 2015
– Explained functional and imperative programming techniques in C, Assembly Language, and Racket to undergraduate
students in introductory computer science courses
– Assisted students and visitors with lab equipment (Ubuntu Linux and Mac OS X computers; printers; and projectors)

Backend Web Developer at **WebsAddress,** New York, NY   Jun. 2012 – Jun. 2014
– Wrote Python and Bash scripts to automate weekly backups of WebsAddress's 20+ websites via phpMyAdmin
– Updated these scripts to work with newer versions of phpMyAdmin

OTHER EXPERIENCE

Participant in the **UChicago Math Research Experience for Undergraduates,** Chicago, IL   Jun. 2014 – Sep. 2014
– Attended daily lectures on number theory and linear algebra and collaborated with peers on problem sets
– Wrote an expository paper detailing concepts in introductory number theory and proofs of six primality tests

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TECHNICAL ACTIVITIES

– Trained for and competed in the International Collegiate Programming Competition qualifying round at the University
of Chicago with two teammates in the spring of 2015
– Actively participating in hack@uchicago by helping students with coding projects at weekly hack nights since Sep. 2013
– Collaborated with professional programmers on Project Euler problems at weekly meetups from Jun. 2012 to Sep. 2013
– Solved 85 Project Euler problems with Python since 2012