Stefan Lance

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EDUCATION

University of Chicago, Chicago, IL   Mar. 2017
BS in Mathematics, GPA: 3.69 / 4.00

TECHNICAL SKILLS

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

WORK EXPERIENCE

Tutor at the **UChicago Computer Science Instructional Laboratory,** Chicago, IL   Feb. 2015 – Mar. 2017
– Explain functional and imperative programming techniques in C and Racket to undergraduate students in introductory computer science courses
– Assist students and visitors with lab equipment (Ubuntu Linux and Mac OS X computers; printers; and projectors)

Software Engineer Intern at **Twitter,** San Francisco, CA   Jun. 2016 – Sep. 2016
– Wrote open source code for Finagle, the Core System Libraries team's asynchronous Remote Procedure Call system
– Developed a client-side admission control system to detect when server clusters are overloaded and back off from sending requests, with the goal of making Twitter services more resilient to spikes in traffic

Student Participant in **Google Summer of Code 2015,** Chicago, IL   Jun. 2015 – Sep. 2015
– Wrote 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
– Implemented 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 – Sep. 2015
– 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
– Eliminated the need for the program staff to manually manage and collect applications, course requests, and schedules

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 participated in hack@uchicago by helping students with coding projects at weekly hack nights from Sep. 2013 until Apr. 2015
– 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