

## EDUCATION

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- **University of Chicago** Chicago, IL  
*B.S. in Mathematics* Sep. 2013 – Mar. 2017

## EXPERIENCE

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- **Twitter** San Francisco, CA  
*Software Engineer* Sep. 2017 – Present
  - Making the core libraries that power Twitter’s distributed infrastructure more efficient and resilient.
- **UChicago Computer Science Instructional Laboratory** Chicago, IL  
*Tutor* Feb. 2015 – Mar. 2017
  - Explained functional and imperative programming techniques in C and Racket to undergraduate students in introductory computer science courses.
  - Assisted students and visitors with lab equipment (Ubuntu and Mac computers; printers; and projectors).
- **Twitter** San Francisco, CA  
*Software Engineer Intern* Jun. 2016 – Sep. 2016
  - Wrote open source code for Finagle, Twitter’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’s services more resilient to traffic spikes.
- **Google Summer of Code** Chicago, IL  
*Student Participant* Jun. 2015 – Sep. 2015
  - Wrote three major features for Bundler 2.0, a dependency manager for Ruby projects.
  - Built a user friendly file-based command configuration system to replace frail 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.
- **UChicago Masters Program in Computer Science** Chicago, IL  
*Web Intern* Jun. 2014 – Sep. 2015
  - Developed and launched a Rails application which collects and organizes advisors’ project proposals, students’ applications, and advisors’ evaluations of students.
  - Developed and launched another Rails application 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.

## PROGRAMMING SKILLS

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

## TECHNICAL ACTIVITIES

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- Prepared undergraduate and graduate students for software engineering interviews via group whiteboarding sessions at UChicago’s Tech Interview Workshop from Sep. 2016 until Mar. 2017.
- 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 software engineers on Project Euler problems at weekly meetups from Jun. 2012 until Sep. 2013.
- Solved 85 Project Euler problems since 2012.