Zach Kirsch

Contact

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Languages

Python
C & C++
Bash
Javascript
HTML5 & CSS3

Technologies

Django
SQL
MongoDB
jQuery
Apache Spark

Tools

UNIX
Git

Education

Tufts University, School of Engineering   Medford, MA
  Bachelor of Science in Computer Science   *Expected May 2018*
  Bachelor of Arts in Mathematics

IES Abroad Milan   Milan, Italy
  Took courses in Italian, Art History, Communications, and Photography   *Spring 2017*

Experience

Microsoft   Bellevue, WA
Software Engineering Intern   *Summer 2016*
- Implemented graph database and querying system for Azure Customer Insights
- Created and maintained virtual network with Spark, HBase and Titan clusters for distributed computing

Tufts University   Medford, MA
Teaching Assistant: Introduction to Computer Science   *3 semesters*
- Selected as Teaching Fellow to supervise a team of 35 teaching assistants and to help administrate the course

Teaching Assistant: Computation Theory   *1 semester*

Victory Briefs   Chicago, IL
Head of Web Development   *Oct 2014 – Feb 2017*
- Designed and maintained website and online store
- Created backend and frontend of a lecture signup system for summer debate camp

Projects

vBriefly Debate Rankings – www.vbriefly.com/rankings   *Oct 2014 –Feb 2017*
- Created and maintained system for ranking thousands of debate teams in the US with a Glicko-2 methodology
- Software acquired by Victory Briefs in 2014

Nickel and Dine – www.zachkirsch.com/nickelanddine   *2015*
- Developed a cost-minimizing service for food delivery to Tufts students

DebateHelper – www.debatehelper.com   *2014*
- Designed a Microsoft Word template using VBA 7 that is used by over 1,000 high school debaters nationwide to collaboratively organize and consolidate research

Activities

Tufts Engineers Without Borders   *April 2015 – Present*
Senior Treasurer

Comune di Milano   *Spring 2017*
- Volunteered in Milan's Office for Refugee Assistance
- Assisted with introductory English classes

Peru Health Outreach Project   *Summer 2013*
- Volunteered on a medical mission trip in Peruvian villages