

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

Bachelor of Science in Computer Science
Bachelor of Arts in Mathematics

Medford, MA
Expected May 2018

IES Abroad Milan

Study Italian, Art History, Communications, and Photography

Milan, Italy
Spring 2017

Experience

Microsoft

Software Engineering Intern

Bellevue, WA
Summer 2016

- Implemented graph database and querying system for Azure Customer Insights with three other interns
- Created and maintained virtual network with Spark, HBase and Titan clusters for distributed computing

Tufts University

Teaching Assistant: Introduction to Computer Science

Medford, MA
3 semesters

- Selected as Teaching Fellow to supervise a team of 35 TA's and to help administrate the course

Teaching Assistant: Computation Theory

1 semester

Victory Briefs

Head of Web Development

Chicago, IL
2014 – February 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

2014 – February 2017

- Created and maintain 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, with a small team, 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 1000 high school debaters nationwide to collaboratively organize and consolidate research

Activities

Tufts Engineers Without Borders

Senior Treasurer

April 2015 – Present

Comune di Milano

Spring 2017

- Volunteer in Milan's Office for Refugee Assistance
- Assist with introductory English classes

Peru Health Outreach Project

Summer 2013

- Volunteered on a medical mission trip in Peruvian villages