

Zach Kirsch

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Languages

C++
Java
Javascript
HTML5 & CSS3

Tools

Node.js
MongoDB
jQuery
Git

Education

Tufts University, School of Engineering

Bachelor of Science in Computer Science

Bachelor of Arts in Mathematics

Relevant Courses: Discrete Math, Data Structures, Web Programming, Number Theory

Medford, MA

Expected May 2018

Hawken School

Gates Mills, OH

2010 - 2014

Relevant Experience

Victory Briefs - www.vbriefly.com/rankings

2014 - Present

- Designed a rankings methodology based on the Elo ratings system
- Developed and continue to maintain Java software to analyze tens of thousands of debate rounds and rank high school debaters

Nickel and Dine - www.zachkirsch.com/nickelanddine

2015

- Worked with a small team to develop a cost-minimizing service for food delivery to Tufts students, using Node.js, jQuery and Bootstrap

DebateHelper - www.debatehelper.com

2014

- Used VBA 7 to design a Microsoft Word template that is used by more than 500 high school debaters nationwide to collaboratively organize and consolidate evidence

Additional Experience

Debate Mate

Somerville, MA

Mentor

2014 - Present

- Coach a middle school debate team at weekly practices

Institute for Speech and Debate

Charlotte, NC

Junior Instructor

Summer 2014, Summer 2015

- Teach high school debaters how to think critically and speak persuasively

Travel Clinics of America

Cleveland, OH

Product Development Intern

2011 - 2013

Awards

2014 National Champion in Public Forum Debate

NCFL

2014 National Merit Scholar

2014 Northeast Ohio Science and Engineering Fair: Second Place Prize

Project: Preventing Epileptic Development Using Calcium Channel Blockers

Activities

Tufts Debate Society

2014 - 2015

Tufts Engineers Without Borders

2014 - 2015

- Elected as co-treasurer and responsible for \$30,000 in funding

The Friendship Circle

2010 - 2014

- Paired with a child with special needs as a friend and role model

Peru Health Outreach Project

Summer 2013

- Worked as a medical volunteer in Peruvian villages