Zach Kirsch

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Languages

C & C++
Python
Javascript
HTML5 & CSS3

Technologies

Node.js
MongoDB
jQuery

Tools

UNIX
Git
Vim

Education

Tufts University, School of Engineering — Medford, MA
Bachelor of Science in Computer Science — Expected May 2018
Minor in Mathematics
Relevant Courses: Data Structures, Programming Languages, Machine Structure and Assembly Language Programming, Discrete Math, Computation Theory, Security, Web Programming, Web Engineering.

Hawken School — Gates Mills, OH
2010 – 2014

Experience

Victory Briefs – www.victorybriefs.com — 2014 – Present
Head of Web Development

- Designed and maintain website and online store
- Created backend and frontend of a lecture signup system for summer debate camp

Tufts University — Medford, MA
Teaching Assistant for Introduction to Computer Science — September 2015 – Present

- Hold office hours and lead introductory C++ workshops for students

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

Personal Projects

Nickel and Dine – www.zachkirsch.com/nickelanddine — 2015

- Developed a cost-minimizing service for food delivery to Tufts students, using Node.js, MongoDB, jQuery and Bootstrap

DebateHelper – www.debatehelper.com — 2014

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

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 Engineers Without Borders — April 2015 – Present
Co-Treasurer

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