

# Matthew Sotoudeh

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<https://linkedin.com/in/matthewsotoudeh> - <https://github.com/matthewsot>

## Objective

Looking for internships or other opportunities to utilize and expand my computer programming skills, as well as mentorship, tutoring, and educational opportunities.

## Skills

Languages: Javascript, C, C++, C#, Python, PHP, MySQL, HTML, CSS, XAML, XUL

Frameworks + Tools: ASP.NET, Kaldi, Tensorflow, Django, Node.js, Entity Framework, PDO, Fabric.js, Gulp.js, Photoshop

Others: Chrome + Firefox extension development, marketing, organization, teamwork, leadership

## Education

**Lynbrook High School** Senior, 3.9 GPA

**2013 - 2017**

## Projects & Experience

### Intel Corporation Labs Intern

**July 2016 - Present**

Working on research involving deep neural network compression. Particularly focused on speech recognition systems for ultra-low-power devices. I work primarily with C/C++ and Python.

### Develop Summer Academy Co-Founder

**July 2016 - Present**

Created, organized, and instructed a summer academy teaching local middle school students website development and leadership skills. I created and taught the website development curriculum, including numerous interactive activities. By the end of the week, each student had come up with the idea for, designed, and built his or her own website from scratch using HTML and CSS. Currently working out details for a 2017 summer camp.

### Action

**November 2014 – Present**

Lead software developer for Action, a Chrome and Firefox extension that makes meetings with Google Docs better. The product has managed thousands of action items since we started it, helping teams ranging from small school clubs to groups at U.C. Berkeley, Google, Microsoft, and more. My role as lead developer involved developing Gulp tasks to automate builds, inventing novel ways to integrate with the Google Docs Kix editor, packaging and testing the extension for both Chrome and Firefox, and writing a backend on Windows Azure to handle large numbers of concurrent users.

### Lynbrook High School (LHS) Campaign

**February 2014 - Present**

LHS Campaign provides candidates for student office the opportunity to upload a profile picture, cover photo, contact info, and explanation of their positions on important school issues to create a customized campaign page. Voters are then able to learn about the candidates, ask questions, show their support, and make more informed voting decisions. I was responsible for the development of the website, which involved using

Javascript, HTML/CSS, Disqus, and Fabric.js to create a seamless experience for candidates and voters. Visited over 20,000 times by more than 1,300 users in 2016.

### **Classfinder**

**May 2010 - Present**

I built and continue to maintain Classfinder, a site for students in the Cupertino and Fremont Unified school districts to discover who will be in their classes during the upcoming school year. Classfinder is used by hundreds of students across multiple schools in the Bay Area every year. The fully responsive website was built with HTML, CSS 3, Javascript, C#, ASP.NET, and Entity Framework, and earlier versions were written with PHP, PDO, and MySQL.

### **Website Development Club Co-Founder/President**

**October 2014- Present**

Co-founded our school website development club, where we teach high school students how to build websites using HTML, CSS, and Javascript. I have helped grow the club from fewer than five members to become one of the largest technology clubs on campus. Currently club president.

### **SharpSwift**

**June – November 2014**

A C#-Swift transpiler. SharpSwift was one of the first projects to use Microsoft's open-source Roslyn compiler APIs and Apple's Swift programming languages. Primarily written in C#.

### **Additional Projects**

See my Github profile at <https://github.com/matthewsot> for additional projects and source code.

## **Honors, Awards, & Publications**

### **Future Business Leaders of America Winner**

**September 2014 – July 2015**

My team won first place in the Future Business Leaders of America (FBLA) California Website Design competition with our website for Cycle Fitness, a fictional cycling store in New York City. My role involved building the fully responsive website, which includes an integrated Google Map, working shopping cart, and email confirmation system.

### **Future Business Leaders of America Winner**

**September 2013 – July 2014**

My team won first place in the Future Business Leaders of America (FBLA) National E-Business competition with our website Halcyon Echoes for a fictional band. The website supports interruption-free music playing, a slick parallax homepage, a fully-functional store and cart, mobile version, and more. It was written with HTML5 (including the History API to support continuous music playback), CSS, and Typescript (compiled down to Javascript), as well as C#, ASP.NET, and Entity Framework on the backend. My role involved building the front and back end of the website, as well as presenting to the FBLA judges at both the State and National FBLA conventions.

### **Best Application Winner, CodeDay Silicon Valley**

**October 2014**

### **Featured Nokia Developer**

**March 2013**

### **Nokia Developer Wiki Competition Winner**

**March 2013**

For article: "Creating a Real-World, GPS-enabled WP8 Tag Game"

### **Nokia Windows Phone 8 Wiki Competition Winner**

**November 2012**

For article: "Creating a Voice-Controlled Windows Phone 8 Music Information app with the Nokia MixRadio API"

## **Clubs & Interests**

Co-Founder, officer, and incoming president of the Lynbrook Website Development Club.

Interests include computer programming, reading, technology, hackathons, and the Lynbrook High School Marching band and Wind Ensemble (where I have played clarinet and euphonium).

I also enjoy teaching others, and have helped teach local elementary schoolers clarinet and trumpet skills for the past two years.

## Contact & More Info

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