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## WORK EXPERIENCE

### **mscripts** – San Francisco, California

*Software Developer*

November 2016 – March 2017

- Built out full support dashboard to connect IVR, ticketing, and reporting platforms
- Developed mobile wrapper for responsive web to allow it to utilize on device biometrics, cameras and notifications while maintaining the flexibility and ease of update of web
- Designed program to automatically update customer phone numbers to prevent PHI disclosure

### **DALI Lab** – Hanover, New Hampshire

*Software Developer*

September 2015 – November 2016

- Programming in small teams on a variety of projects, ranging from iOS apps to responsive websites
- Lead programmer on tutoring app that aimed to facilitate matching tutors and students

### **Hurricane Development** – Westfield, New Jersey

*Senior Programmer*

June 2013 – September 2015

- Freelance web design in a small company
- Lead designer and programmer on multiple commercial websites, leveraging HTML, CSS, PHP, SQL, and JavaScript

### **Knowledgent** – Warren, New Jersey

*Software Engineering Intern*

Summer 2014

- Created 'Data Lake' implementation using Apache Hadoop with team of five
  - Incorporated Hortonworks Falcon and Titan graph database to display file ingestion and file modification
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## PROJECTS

### **Colorize**

<https://alexbeals.com/projects/colorize>

*HTML, CSS, PHP, SQL (MySQL)*

- Created web application to turn a word into a color by aggregating image results
- Gets hundreds of daily hits, with over 200,000 page hits in September 2016 alone

### **Dartmouth Room Search**

<https://dartmouthroomsearch.com>

*HTML, CSS, PHP, SQL (MySQL)*

- Created web application designed to help Dartmouth students find housing options
- Developed easy to use sentence-based search interface

### **GroupMe Analysis**

<https://groupmeanalysis.com>

*HTML, CSS, JS(jQuery), PHP, SQL (MySQL)*

- Web application to analyze GroupMe groups, from a popular messaging application

### **What's Line?**

<https://itunes.apple.com/app/id1047047797>

*Swift, PHP, MySQL (Backend)*

- Created app to make it easy to keep track of people in line for use at Dartmouth
- Simplifies adding people to a line as well as changing positions, and removing people

## SurfShield

<https://alexbeals.com/portfolio/surfshield>

HTML, CSS, JS, Python

- Won first prize for Dartmouth hackathon for a Chrome extension to monitor and alert cyberbullying and profanity in browsed websites
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## EDUCATION

**Dartmouth College** - Hanover, New Hampshire

Anticipated June 2018

*Computer Science, Math*

Software Design & Implementation, Smartphone Programming, Discrete Math in Computer Science, Algorithms, Computer Graphics, Intro to Human-Computer Interaction

**Westfield High School** - Westfield, New Jersey

June 2014

*National Merit Finalist, 2014 National AP Scholar Awardee, NHS 2013-2014*

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## LANGUAGES

### Expert (>3 years' experience)

HTML

CSS

Python

PHP

JavaScript/jQuery

### Competent (>2 year experience)

Java

Visual Basic

Bash

### Familiar (<2 year)

Objective-C

Swift

SQL