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WORK EXPERIENCE

Facebook/Instagram – Menlo Park, California

Software Developer

June 2017 – September 2017

- Worked with Instagram team on Ads Creation and Management
- Added the ability to use existing Instagram media to create ads across the FB family of products

mscripts – San Francisco, California

Software Developer

November 2016 – March 2017

- Built out full support dashboard to connect IVR phone systems, ticketing, and reporting platforms for a more comprehensive support infrastructure
- Developed mobile wrapper for responsive web to allow mscripts' mobile health apps to utilize on-device biometrics, cameras, and notifications while keeping the flexibility of update on web
- Designed program to automatically update customer phone numbers to prevent personal health information disclosure

DALI Lab – Hanover, New Hampshire

Software Developer

September 2015 – November 2016

- Programmed in small teams on a variety of projects, including iOS apps and 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

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 650k total page hits and an average time of 2.5 mins

Dartmouth Room Search

<https://dartmouthroomsearch.com>

HTML, CSS, PHP, SQL (MySQL)

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

GroupMe Analysis

<https://groupmeanalysis.com>

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

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

Dartmouth College – Hanover, New Hampshire

June 2018

Computer Science, Math

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

AWARDS

2014 National Merit Finalist, 2014 National AP Scholar Awardee

Glean – Dartmouth Hackathon 2017 First Place

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

- Won \$2000 and 1st place for a Chrome extension to summarize news articles and compute bias, along with providing alternative articles for new viewpoints

SurfShield – Dartmouth Hackathon 2016 First Place

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

- Won 1st place for a Chrome extension to monitor and alert cyberbullying and profanity in browsed websites
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LANGUAGES

Expert (>4 years' experience)

HTML

CSS

Python

PHP

JavaScript/jQuery

Competent (>2 year experience)

Java

Visual Basic

Bash

Objective-C

Familiar (<2 year)

SQL

Swift