

# Alexander L. Yeh

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## EDUCATION

**Carnegie Mellon University** | *Pittsburgh, PA*

Expected Graduation: May 2019

B.S. in Computer Science (*GPA: 3.42/4.00*)

Minor in Human Computer Interaction

### Relevant coursework:

15-251: Great Theoretical Ideas in Computer Science

15-210: Parallel and Sequential Algorithms

15-381: Artificial Intelligence

05-391: Designing Human-Centered Software

## WORK EXPERIENCE

**Software Engineering Intern – CBS INTERACTIVE** | *New York, NY*

**Jun 2017 - Aug 2017**

- Optimized mobile web experience by introducing a number of missing features for cbsnews.com within the multiple tight constraints of Google Accelerated Mobile Pages: interactive breaking news banner, new content type page for videos, and responsive JavaScript-less navigation header which will reduce overall page weight by over half a megabyte
- Initiated the frontend for the cross-platform web analytics dashboard using Angular and Ionic by creating data visualizations with the Highcharts API, designing class layouts following the MVC design pattern, and developing a fully functional subscriptions component
- Constructed prototype of CBS News progressive web app using the AMP content pages I worked on

**Software Engineering Intern - YOUPLUS** | *Mountain View, CA*

**Jun 2016 - Aug 2016**

- Set up an entire backend of a Node.js based website hosted on Amazon Web Services with a working caching and cookie based authentication system
- Created dynamic offer pages pulled from the Youplus database
- Maintained the WordPress website by creating custom pages and updating design

**Contract Web Developer - LOB** | *San Francisco, CA*

**Jul 2016 – Nov 2016**

- Converted provided design mockups into customizable web elements for various company clients

## PROJECTS

**Web Developer – LUNAR GALA**

**Jun 2017 – Present**

- Constructed an interactive timeline website with a team of four others that provides the first ever comprehensive look into the history and archives of CMU's annual student-run Lunar Gala fashion and design
- Currently developing the theme website for 2018

**Web Developer – MICHELLE BOT**

**Jul 2017**

- Implemented a chatbot using the API.AI natural language processing engine to assist with customer service at the annual CBSi Hack Day
- Added additional feature for Messenger bot to help users buy and review technological products using the CNET API

**Lead iOS Programmer - SHS APP 2.0**

**Sept 2014 – Jan 2015**

- Redesigned an iOS application to include new features, such as daily schedules, profiles, and general school information
- Won 1st place in the California FBLA Mobile App Development contest

## SKILLS

### Object-Oriented

Java      Objective-C  
Processing      Python

### Imperative/Functional

C      SML

### Web Development

HTML5      SCSS/CSS  
JavaScript      TypeScript  
Node.js      JQuery  
d3.js      Angular

### Misc.

Git      Bash  
Photoshop      WordPress