

# Alden Hallak

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## EDUCATION

### UNIVERSITY OF PENNSYLVANIA

ENGLISH AND COMPUTER SCIENCE

Expected May 2020

Philadelphia, PA

### BA IN COMPUTER SCIENCE AND ENGLISH

Expected May, 2020

College of Arts and Sciences

### LOWER MERION HIGH SCHOOL

Merion Station, PA

Graduated with Honors

SAT: 2210/2400

800 in Math

## COURSEWORK

CIS 262 Automata Computability and Complexity

CIS 121 Data Structures and Algorithms

CIS 160 Mathematical Foundations of Computer Science

CIS 120 Programming Languages and Techniques

Math 114 Calculus 3

## SKILLS

### PROGRAMMING

Relevant Experienced:

Python • Java • C# •

HTML/CSS/JavaScript/JQuery •

Familiar:

BASH • C++ • MySQL •

OCaml • Scikit-Learn • PHP/Laravel •

Objective-C • Cordova/Phone Gap •

Node.js

### LANGUAGES SPOKEN

English • French • Croatian • Arabic

## LINKS

Github: [github.com/needleballista](https://github.com/needleballista)

LinkedIn: [linkedin.com/in/alden-hallak](https://www.linkedin.com/in/alden-hallak)

### WEBSITES CONTRIBUTED TO

Arteric.com

WQHSRadio.org

AldenHallak.com

HarrisonMeyer2017.com

seas.upenn.edu/halal/ (the halal zone)

## EXPERIENCE

### ARTERIC | JUNIOR SOFTWARE DEVELOPER/INTERNSHIP

Summer 2017 | Summit, NJ

- Developed software that utilized machine learning and natural language processing to analyze, categorize, and group pay-per-click query data with the goal of identifying topically similar queries.
- Assisted in the entry of web content into WordPress CMS, including images, text, HTML and CSS.
- Performed miscellaneous tasks such as data analysis, quality control testing, and clerical work at the request of Arteric personnel.

### UNIVERSITY OF PENNSYLVANIA | TEACHING ASSISTANT FOR CIS 110

Jan 2017 – Present | Philadelphia, PA

- Teaching introductory Computer Science in Recitation once a week
- Holding office hours twice a week
- Grading and contributing to homework
- Working side by side with fellow TAs to fill CIS 110 with rigor and accomplishment.

## LESS - RELEVANT EXPERIENCE

### UNIVERSITY OF PENNSYLVANIA | WORKER AT THE QUAD INFORMATION CENTER

Nov 2016 – Present | Philadelphia, PA

- Working with specialized computer software at the front desk of the Quad, a residential area belonging to the University of Pennsylvania.

### LOWER MERION TOWNSHIP | LIFEGUARD

Summer of 2015 and 2016 | Philadelphia, PA

- Working 10 hour days as a lifeguard
- Developed a small python application to figure out the best shifts to take in order to maximize rest time

## ACTIVITIES

### TECH IT OUT! PHILLY | MENTOR

Mentored Philadelphia Youth, creating a Website advocating social change, under Google's IgniteCS Program.

### WQHS STUDENT RADIO | SYSTEMS ADMINISTRATOR / "CTO"

An elected board position where I focus on maintaining and updating the technical side of WQHS Radio, making sure the servers run and constantly adding additional functionality to the WordPress site.

### PENNAPPS | STAFF MEMBER

Work in PennApps Media, preparing for one of the largest student run hackathons.

### HARRISON MEYER'S 2017 BID FOR LOWER MERION SCHOOL BOARD TECHNOLOGY DIRECTOR

Developed and set up hosting for the website of Harrison Meyer's 2017 bid for the Democratic Nomination in Lower Merion Township.

### MISC. HOBBIES

I play bassoon, saxophone, and piano.

I used to row competitively, but now I prefer to work out casually. I enjoy reading and good comedy as well.

