
ALLEN HE



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HEALLEN.GITHUB.IO



GITHUB.COM/HEALLEN

SKILLS

LANGUAGES

Java

Javascript

HTML/CSS

Python

OCaml

SQL

TECHNOLOGIES

jQuery

Sass/Scss

Flask

Git

Linux/Unix

D3.js

Pixi.js (WebGL)

COURSEWORK

Current

Intro Machine Learning (Graduate)

Operating Systems

Scalable & Cloud Computing

Completed

Software Engineering

Data Structures & Algorithms

Intro Networks and Security

Intro iOS Development

EDUCATION

COMPUTER AND INFORMATION SCIENCE, B.S.E. MAY 2019

UNIVERSITY OF PENNSYLVANIA – PHILADELPHIA, PA

GPA: 3.96/4.0, Dean's List 2015-2017

EXPERIENCE

TECHNOLOGY DEVELOPMENT INTERN

NATIONAL MUSEUM OF MATHEMATICS – NEW YORK, NY

MAY 2017 – AUGUST 2017

- Digitalized a popular exhibit into a **full-stack, mobile-responsive crowdfunding web app to raise \$1 million** for MoMath
- Prepared and tested two **SDKs for exhibit interfaces** within MoMath, which were released at an inaugural public hackathon
- Integrated an exhibit with QR code scanning, **enhancing visitor experience** by allowing visitors to take home their creations

TEACHING ASSISTANT

PROGRAMMING LANGUAGES & TECHNIQUES I - UPENN

SEPTEMBER 2016 - PRESENT

- Responsible for holding code reviews, homework and exam grading, monitoring online Piazza question board
 - Teach Java and OCaml to weekly recitation section of 25 students, hold weekly office hours for over 300 students
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PROJECTS

IPLO ANALYSIS

Flask, nltk, D3.js, Twitter API

- Web app that compares two bodies of text using probabilistic methods and large text corpora, then visualizes results
- Placed **top 30 at PennApps** overall, **honorable mention**

MHEALTH ANESTHESIA

Meteor, jQuery, Mongo

- Provides operating room status dashboard and anesthesia procedure checklist, used for efficient OR allocation and training new doctors
- Now used internally at Hospital of UPenn