

# ALLEN HE



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## SKILLS

### LANGUAGES

Java  
Javascript  
HTML/CSS  
Python

### TECHNOLOGIES

jQuery  
Sass  
D3.js  
Flask  
Git  
Linux/Unix

## 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

- Created a full-stack, mobile-responsive, interactive crowdfunding web application that digitalizes a popular exhibit 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, allowing visitors to take home their creations from MoMath

**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 weekly recitation section of 25 students, hold weekly office hours for over 300 students

## PROJECTS

### IPLO ANALYSIS

*Flask, nltk, D3.js*

- 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*

- Operating room status dashboard and anesthesia procedure checklist for use at the Hospital of UPenn
- Used for efficiently managing operating room usage and training new anesthesiologists