

# ALAN QI CHEN

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## EDUCATION

### THE OHIO STATE UNIVERSITY

MAY 2023 (EXPECTED)

Bachelor of Computer Science and Engineering with Honors  
Fundamentals of Engineering Honors; Calculus III; Physics 1250

### CARNEGIE MELLON UNIVERSITY

SUMMER II 2018

AP/EA Summer Program  
Principles of Imperative Computation - A

### SOLON HIGH SCHOOL

JUNE 2019

Diploma with Honors, May 2019      GPA 3.78/4.0

## EXPERIENCE

### KUMON OF SOLON // Instructor

SEPTEMBER 2018 – JULY 2019

Educated new math concepts in a clear and concise manner using the Kumon method so students are successful academically and remain returning customers. Rapidly changed roles to give help where it was needed the most.

### CLEVELAND CLINIC // Visiting Researcher

JULY 2019 – AUGUST 2019

Aided researchers performing mice genotyping and followed precise instructions to conduct gel electrophoresis successfully.

## SKILLS

- **Application Software:** MATLAB
- **Programming Languages:**  
Intermediate – C/C++, HTML, CSS  
Novice – JavaScript, Java, Python

## SELECTED PROJECTS

### HEALTHRY // [healthry.appspot.com](https://healthry.appspot.com)

Web app for a searchable catalogue of hospitals in the U.S., using the Google Maps API.  
(HTML, CSS, JS, Flask)

### TOONIFY // [github.com/alanqchen/Toonify-App](https://github.com/alanqchen/Toonify-App)

Android app to apply a cartoon filter onto photos using OpenCV. Extension of C++ project which allows users apply the Sobel filter and more in the command line.  
(Java, C++)

## ACTIVITIES

- **Code 4 Community** // Backend Team **August 2019 – Present**  
Developing web app for adolescents with mental health issues to view personalized resources and submit feedback to mental health researchers.
- **Code Space**, vice-president **2015 – 2019**  
Assembled and presented lesson presentations to strengthen club member's skills in web development.
- **Hackathons:** HackCWRU 6, OHI/O 2019