

# Justin Santos

580.284.7616 | [stinsan@ou.edu](mailto:stinsan@ou.edu) | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

## Education

THE UNIVERSITY OF OKLAHOMA | NORMAN, OK

Aug 2017 - May 2020

- Accelerated B.Sc. Computer Science
- Starting M.S. Computer Science in August 2020
- 3.91/4.00 GPA

## Skills

- PROGRAMMING LANGUAGES: C, C++, C#, Java, Python, R, HTML, CSS (SASS), JavaScript, SQL
- TECHNOLOGIES: Git, Google Cloud Platform, Unity, Flask (Flask-RESTful), React, LaTeX

## Experience

TECH TEACHER, KENNEDY TECH TEACHERS | NORMAN, OK

2019 - Present

- Taught weekly lessons in various STEM-related topics to fourth and fifth graders at a local elementary school.
- Collaborated with teachers at the elementary school to procure a sound lesson plan.
- Topics included binary arithmetic, animal bone structures, and 3-D printing.

HOST, ASIAN GRAND BUFFET | LAWTON, OK

2016 - 2018

- Directed guests to their seats and took their drink orders.
- Coordinated with waiters to provide guests with the optimal dining experience.

## Projects

### [SORTING ALGORITHM VISUALIZATION](#)

- Designed and constructed a command-line Python program to aid in the visualization of sorting algorithms by randomizing a user-input image and outputting a video of the resorting process.
- Implemented several sorting algorithms such as quicksort, insertion sort, and bubble sort.

### [BIRDS HATE BOMBS](#)

- Built an infinite runner game created using the Unity game engine where you control a bird trying to avoid bombs.
- Wrote scripts for game mechanics and character control in C#.
- Submitted to the Fall 2019 Game Jam hosted by OU's Game Developers Association.

### [WEBSITE FOR OU'S FILIPINO STUDENT ASSOCIATION](#)

- Established and maintained an informative website for the Filipino Student Association.
- Utilized HTML, SASS, and JavaScript for the creation, and deployed using GitHub Pages.

### [HACKLAHOMA 2020](#)

- Participated in a 24-hour hackathon hosted by OU.
- Designed and created a visualization for maze generation and maze solving algorithms using HTML, CSS, and JavaScript.
- Implemented a JavaScript backend with custom graph and node data structures to facilitate maze generation and traversal functions.

## Involvement

OU FILIPINO STUDENT ASSOCIATION, historian and webmaster

2017 - Present

OU HONORS COLLEGE, student

2017 - Present

OU CIVIC ORCHESTRA, violist

2017 - 2018

OU GAME DEVELOPERS ASSOCIATION, member

2019 - Present

OU STUDENT HEROES, member

2019 - Present