

# Sam Thomas

Programmer

## About me

Enthusiastic and passionate college student working towards a Bachelors of Science in Computer Science. Seeking an opportunity to use knowledge gained within the field, inside and outside the class room to help contribute to a future employer

## Skills

Python

Unity & C#

C & C++

Java

HTML & CSS & JS

SQL

## Contact Info



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<http://samthomasresume.me>

<https://github.com/cachecake404>

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## Education

- Since 2017 Bachelor of Science in Computer Science UT Arlington  
*Currently enrolled as a Sophomore as of 2018. Expected to graduate by Fall 2021*
- 2013-2016 High school JSS PS  
Studies was focused on Physics , Maths , Chemistry and Computer Science.

## Awards

- 2018-2018 Team leader of the best first project at the Hack UTA Hackathon.  
2016-2021 Maverick Academic Scholarship.  
2015-2015 Second place in Regional coding challenge in Dubai.

## Projects

- Games Two Snakes - Remake of the classic snake game with a twist. Using the PyGame library made a two player snake game where you can eat each other.
- Balance Your Balls - Android Game published on Play Store. Using Unity made a game that uses the phones gyroscope to challenge players to keep a ball on a virtual platform.
- Dimensional Portal - Android Game published on Play Store. Used unity to make this teleportation game and implemented a shop system and a online high score system using Dreamlo.
- AI Genetic Algorithm Unity - Implemented a genetic algorithm from scratch on Unity without the use of libraries to make bots learn to stay on a platform while traveling the largest distance.
- GUI Image Classifier - Using Python and the Keras library which utilizes Tensorflow, made a image classifier that can be used via a GUI and the GUI was made through the QT framework.
- Databases Python SQL Interface - Made an interface that uses serialized python objects saved using pickle to interact with a SQL DB.
- Security RAT Tool - Using Python and the libraries: socket,thread,cv2,pywin32,pyhook and os made a program that allows me take pictures and log keystrokes of a user.
- Websites Resume Page - Website made from scratch using HTML,CSS,JS for my resume ,hosted using GitHub Pages
- Dark Lord Answers - Prank website that replicates the famous prank site Peter Answers made using HTML and JQuery.

## Experience

- 2015-2016 IT Assistant JSS PS  
Helped maintain and fix computers within my high school.
- 2017-2018 Team Member Rover Society  
Helped our colleges rover team develop Bluetooth application that talks with the Arduino.

## Other information

Apart from programming I am well versed with using common tools such as the Microsoft office suite, Blender , TinkerCad and  $\text{\LaTeX}$ . I am also familiar with and have used multiple distributions of Linux like Fedora,Ubuntu, Kali ,Linux Mint.