

Abbas Ally

abbasally5@yahoo.com

<https://github.com/abbasally5>

EDUCATION

The University of Texas at Austin

- Bachelor of Science in Computer Science
- **Relevant Coursework:** Data Structures, Discrete Math, Computer Architecture, Computational Intelligence, Operating Systems (Fall 2015), Matrices (Fall 2015)

Grad Date: May 2018

GPA: 3.62

TECHNICAL SKILLS

Programming

- Experienced with Java, Python
- Exposure to Matlab, C, C#, Assembly, Android

Web

- Exposure to HTML5, CSS3, JavaScript, NodeJS, Django

WORK EXPERIENCE

Spark ECE Security Research Lab

June 2015 – Present

- Worked on practical application of Blox research (development platform with data Partitioning containers for apps)
- Built **Blox Editor** – An online collaborative code editor with a faux terminal
 - (Django, PostgreSQL)
- Will eventually be used in UT classes for projects and exams

PERSONAL PROJECTS

Flappy Bird AI

- Used neural networks and genetic algorithms to create a flappy bird AI

- Created a version of flappy bird using PyGame, AI with python

Typing Game

- Web app which tests the user's typing skills and displays valuable statistics

- AngularJS, Bootstrap

SMS Spammer

- Created an Android app that can send multiple texts to another person

- Android

TECHNICAL EXPERIENCE

Unmanned Aerial Vehicle Team @ UT Austin

2014 - Present

- Using MATLAB to implement Computer Vision algorithms and interpret real time video
- Worked on color detection and intelligent image cropping for shape detection algorithm

Computer Science Club/Team + Association of Computer Machinery @ UT Austin

2011 - Present

- Compete in ACM, ICPC, TCEA, and UIL style programming contests
- **Leadership Team (Co-Captains) of Computer Science Team**
- UT ACM Programming Competition #4 (3rd place)
- Paschal Invitational (1st place - 11th, 12th grade)
- Flower Mound UIL Invitational (1st place - 11th, 12th grade)
- Frisco Bytes Invitational (2nd place - 12th grade)
- SMU ACM Competition (2nd place Novice - 10th grade)

2013 - 14

Mobile App Development @UT Austin

2014 - Present

Robotics

2012 - 2014

- The Robotics team competed in the FIRST Tech Challenge
- **Robotics Team Hardware Lead**
- Used RobotC to program LEGO Mindstorms NXT, VEX Microcontroller
- Team placed in the **Top 40** at the **World Championships**

2013 - 14

April 2013

AWARDS

Athenahealth MDP Hackathon 2nd Place

July 2015

- **MobiLert** – An app that relays walking/gait information to doctors and alerts them about falls
- I worked on the Android app and front end of the website (Android, Sqlite, Bootstrap, JS)

INTERESTS

Web/Mobile Development Security Computer Vision Competitive Programming Learning Languages Soccer