

Abbas Ally

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EDUCATION

The University of Texas at Austin

Grad Date: May 2018

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

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 at UT Austin, *Student Intern*

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 – Developed a web app which tests the user's typing skills and displays pertinent statistics

- AngularJS, Bootstrap

SMS Spammer – Created an Android app that can send multiple texts to another person

AWARDS

Athenahealth MDP Hackathon 2nd Place

July 2015

- **MobiLert** – An app that relays walking/gait information to doctors and family and alerts them about falls, especially for elderly people
- Designed and collaborated with team on Android app and front end of the website

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

Association of Computer Machinery @ UT Austin

2014 - Present

- UT ACM Programming Competition #4 (3rd place)

Computer Science Club/Team, *Leadership Team (Co-Captain)*

2011 - 14

- Competed in ACM, ICPC, TCEA, and UIL style programming contests
- Paschal Invitational (1st place)
- Flower Mound UIL Invitational (1st place)
- Frisco Bytes Invitational (2nd place)
- SMU ACM Competition (2nd place)

Mobile App Development @UT Austin

2014 - Present

Robotics Team, *Hardware Lead*

2012 - 2014

- Competed in the FIRST Tech Challenge
- Used RobotC to program LEGO Mindstorms NXT, VEX Microcontroller
- Placed in the **Top 40** at the **World Championships**

April 2013

INTERESTS

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