Abbas Ally

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E D U C A T I O N

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, Matrices, Algorithms (Spring 2016), OOP (Spring 2016)

T E C H N I C A L   S K I L L S

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

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

W O R K   E X P E R I E N C E

Spark ECE Security Research Lab at UT Austin, *Student Intern*   **June 2015 – Present**
- Engineering a practical application of Blox research (development platform with data Partitioning containers for apps)
- Building **Blox Editor –** An online collaborative code editor with a faux terminal (Django, PostgreSQL)
- Program will be used in UT classes for projects and exams in near future

P E R S O N A L   P R O J E C T S

Woodstocks – Built a web app that uses historical stock prices to produce music
- Flask, Jquery, Bootstrap

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

A W A R D S

HackUTD Sponsor Prize   **March 2016**
- **WeabooDatLife –** A server that lets you have texting conversations with TV and movie characters
- Scraped transcript data, used it to create markov chains, and created an email server to send texts

HackTX Top 10 Finalist, *Best Use of AWS, Keep Austin Weird Award*   **Sept. 2015**
- **Filter.me –** A custom Instagram filter. Implemented the paper *Neural Algorithm as Artistic Style*
- Extracted the content of one image and applied the style of another image using a CNN
- Coded the backend to interface with the AWS compute node and the front end (Flask, JS)

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

T E C H N I C A L   E X P E R I E N C E

Unmanned Aerial Vehicle Team @ UT Austin   **2014 - 15**
- Applying Computer Vision algorithms and interpreting real time video with MATLAB
- Implemented 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
- Multiple top 3 finishes in local competitions

Mobile App Development @UT Austin   **2014 - Present**
Robotics Team, *Hardware Lead*   **2012 - 2014**

I N T E R E S T S

Web/Mobile Development | Security | Artificial Intelligence | Competitive Programming | Learning Languages | Soccer