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
- Certificate of Applied Statistical Modeling
- **Relevant Coursework:** Data Structures, Comp Arch, Comp Intel, OS, Matrices, Algorithms, OOP, Networks, Compilers, Data Management

T E C H N I C A L   S K I L L S
- Experienced with Java, Python, Flask
- Exposure to Matlab, C, C++, C#, Android, R, HTML5, CSS3, JavaScript, Django, NodeJS

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

Privasera, *Software Engineer*   **May 2016 – Present**
- Blox – Security platform built on Linux containers that enforces data isolation
- Resource Manager – Enables multi-host container networking and manages container load balancing and onboarding of new servers
- Testing – Wrote unit tests for code base and integrated them into a new development pipeline

Spark Security Research Lab @ UT Austin, *Research Assistant*   **June 2015 - Present**
- Focusing on cloud software and architecture security
- Built **Blox Editor** – An online collaborative code editor with a terminal (Django, PostgreSQL)
- Used in UT class for coding projects and practice

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 generate 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 Funimation 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 GPU 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

Journal of Law and Technology @ Texas   **May 2016 - Present**
- Bluebook Automation – Creating plugins for Word that generate legal citations

Unmanned Aerial Vehicle Team @ UT Austin   **2014 – 15**
- Applied Computer Vision algorithms and interpreted 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)

Mobile App Development @ UT Austin   **2014 – Present**

I N T E R E S T S

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