Abbas Ally

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EDUCATION

The University of Texas at Austin   **Grad Date: May 2018**
- Bachelor of Science in Computer Science
- Certificate in Applied Statistical Modeling
- **Relevant Coursework:** Data Structures, Comp Arch, Comp Intel, OS, Matrices, Algorithms, OOP, Networks (Fall 2016), Compilers (Fall 2016)

TECHNICAL SKILLS

- Experienced with Java, Python, Flask, Django
- Exposure to Matlab, C, C++, Android, R, HTML5, CSS3, JavaScript, NodeJS

WORK EXPERIENCE

Privasera, *Software Engineer*   **May 2016 – Present**
- Worked on Blox – Security platform built on Linux containers that enforces data isolation
- Enabled multi-host container networking and managed container load balancing
- Wrote unit tests for code base and integrated them into a new development pipeline

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

AWARDS

HackUTD Funimation Sponsor Prize   **March 2016**
- Created 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**
- Devised 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**
- Fashioned an app that relays walking/gait information to doctors and family and sends alerts
- Designed and collaborated with team on Android app and front end of the website

PERSONAL PROJECTS

Woodstocks
- Built a web app that uses historical stock prices to generate music

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

Typing Game
- Developed a front end app which tests the user's typing skills and displays pertinent statistics

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

TECHNICAL EXPERIENCE

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**

INTERESTS

Web/Mobile Development | Security | AI | DevOps | Competitive Programming | Learning Languages | Soccer