

# Ali Yar Khan

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## EDUCATION

### University of Texas at Austin

Start: Fall 2013, End: **Fall 2017(Expected)**

Major: BS in Computer Science

Operating Systems, Computer Architecture, Data Structures,  
Discrete Mathematics, and Intro to Computer Science (AP credit)

### Plano East Senior High School

Graduated in June 2013

SAT:2080, ACT:32

Debate Team (4 years), Computer Science Club (4 years), Robotics Club (3 years)

## TECHNICAL SKILLS

Programming Languages:

Java (Oracle Certified Java 7 Associate), Python, C/C++, C#,  
Assembly (x86), SQL, Web (HTML5/CSS, JavaScript)

Operating Systems:

Mac OSX, Windows, Linux (Ubuntu and Centos)

Software Applications:

Powershell, Eclipse, Netbeans, Vim, Django, Android, Git,  
Trac/Bugzilla/Apache BloodHound, Apache/Nginx, MySQL

## EXPERIENCE

### IT Intern at Nationstar Mortgage, Dallas TX

**June 2015 - August 2015**

- Created a PC and laptop management and reporting system
- Used C# for both Windows and Mac to fetch data and stored in MS SQLServer
- ASP.NET + AJAX web front-end to review reports and status

### Software Engineering Intern at Connectcloud, Plano TX (Startup Company)

**June 2014 - August 2014**

- Designed a logging application and webapp that consolidated logs from virtual machines across a cloud
- Can show incoming logs and also had regex functionality and is compatible with JBoss/LifeRay
- Coded in Python with Django+MySQL; Rsyslog to transfer the logs; AJAX+HTML+CSS for the front-end

### Pintos (Class Project)

- Designed and worked on a Linux-based kernel (Pintos) with team of 3 other people
- Added virtual memory (paging) and an ext2 based filesystem
- Runs basic shell commands such as ls and cd as well as complex programs such as tar

### AutoExtemp (Personal Project)

- Designed a research program to help high school debaters download articles from news sources
- User can read and highlight articles without needing online connection
- Coded in Java7, UI was JavaFx, and scraped articles from RSS/Atom feeds (XML)

### Hackthons/Competitions

- **HackTX Hackathon** (Fall 2015)- created a web platform that allows freestyle rap battles online.
- **HackDFW** (Spring 2015) – made an app for the Thalmic Myo Armband that allowed users to make music by moving their arms.
- **EGaDs Fall GameJam** (Fall 2014) – made a 2D platform-jumping game and java mini-engine
- **Facebook Texas Regional Hackathon** (Spring 2014) – made a shopping list app that reminds user to buy certain goods based on predicted estimate of consumption rates of those goods
- **HackTX Hackathon** (Fall 2013)- collaborated to create a program that encrypts messages and securely transfers messages to and from cell phones via the web

## AVAILABILITY

SUMMER 2017

I am a US Citizen