

Puya Gharahi

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Education:

Richardson High School - *Junior - Expected graduation - June 2017*

Projects:

Object Recognition: Java - August 2015

- Color based object tracking through live webcam feed using OpenCV

Cupcake Bot: Java - October 2014

- Twitch IRC AI used to help moderate chat along with other features such as web scraping

Ridge (3D Survival Game): Java, C++ - August 2015 - Present

- Multi person project, backend developer; created server

Barcode Scanner: Java - December 2015 - Present

- Webcam based barcode reader using Zxing
- Used in current high school Computer Science room to access the lab before and after hours

2D Side Scroller: Java - March 2015

- Basic 2D Side Scroller game with basic objectives such as avoiding obstacles
- Part of a top 25% submission at HackDFW

2D Top Down Perspective game: Java - April 2015

- Includes basic enemies, increasing difficulty throughout harder levels
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Skills:

- Proficient in Java, Go, C#, CSS/HTML/XML, Microsoft Office Suite, Git and Github, IntelliJ, Eclipse
 - Familiar with Python, C++, OpenCV, Zxing, Visual Studio, Windows/Linux/Unix
 - Computer Science focused high school education along with experience in competitive programming, competitive mathematics, game design, hackathons and other various contests.
 - Fluent in English and Farsi (*Speaking only*), ongoing studies in Latin
 - 5 years of violin studies and general orchestral performances
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Activities:

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| • Chamber Orchestra | 2013 - Present |
| • RHS Computer Science Club | 2014 - Present |
| • RHS Computer Science Programming Team | 2014 - Present |
| • CyberPatriot Club | 2014 - Present |
| • CyberPatriot Competitions | 2014 - Present |
| • Various Gigs & Performances | 2015 - Present |
| • HackDFW | 2015 |
| • CANHacks | 2015 |
| • Placed in TMEA All-Region Orchestra | 2015 |
| • Google Code-in | 2015 |
| • Facebook Hacker Cup | 2016 |