

# JASH VAIDYA

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## EDUCATION

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**B.S. Computer Science**, Radford University, Radford, Virginia

Expected graduation: May 2019

**A.S. Computer Science**, Virginia Western Community College, Roanoke, Virginia

Expected graduation: May 2018

## PROJECTS

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### Reddit Bot

Aug 2016

- Created a bot with Python that communicates with JSON to grab a randomly generated Chuck Norris joke and use Reddit's API (PRAW) to reply to any comment that calls the bot

### MATLAB Mortal Kombat Sound Project

June 2016

- The Mortal Kombat Theme Song is played by creating different frequencies and storing them as notes, creating measures and lines by organizing the notes, and creating the 'song' by organizing the measures and lines to be played in order.
- Different tempos can be achieved and multiple notes can be played at the same time

### MATLAB Photoshop Application

July 2016

- Built a Photoshop application in MATLAB that can manipulate an image given by the user
- Properties include Darken, Brighten, Reduce Bits, Increase/Decrease Contrast, Sharpen, Soften, Crop, Invert Colors (negative), and Chroma Key

### Locked (Game made in Unity)

Aug 2016

- Designed a text based video game where the player (prisoner) makes certain choices to escape the prison
- Created inside of Unity Game Engine using C#
- By creating 'Game States', less code is needed and works more efficiently to switch between scenes

### Google Homepage

July 2017

- Replicated the Google homepage with HTML and CSS

## WORK EXPERIENCE

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**Academic Link Tutoring Services (VWCC)**, Roanoke, Virginia

Aug 2016 – May 2017

### Programming Tutor and Lab Moderator

- Tutored VWCC college students in programming and test preparation
- Effectively coached students with an average score increase of 80 points or equivalent
- Assisted students with various software from MS Office, photoshop, LabVIEW, MatLab, Inventor, etc. and moderated the computer lab

**PK JEWELERS**, Roanoke, Virginia

Aug 2007 - Present

### Sales Manager

- Created and implemented employee product/sales training and security procedures
- Managed a small team performing various sales, customer service, inventory control, accounting, repair, and quality control

## SKILLS

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### Programming

Java, C++, HTML5, CSS3,  
JavaScript, Git, Bash, MATLAB

### Applications

Eclipse, MS Office, Brackets,  
GitHub, Inventor, Visual Studio

### Operating Systems

Windows, Linux, & Mac OS

### Focused on

- Learning new programming languages and applications, being an analytical thinker and creative problem solver
- Software engineering, building web applications, and version control

## EXTRACURRICULAR

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- The Odin Project – Web Development 2017
- FreeCodeCamp – Web Development 2017
- Computer Club – Hidden Valley High 2013 - 2014