

Brandon Groff

Developer Apprentice at Ball State Digital Corps

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Summary

A graduate of the class of 2013 at Versailles High School, I am currently a sophomore at Ball State University. A student in the Honors College, I am actively pursuing a bachelor's degree in Computer Science and a minor in Computer Technology. I am expected to graduate in 2017. I thoroughly enjoy working with computers and technology on all levels; from Operating Systems to Coding to Hardware, I am always striving to learn more about what I love. I currently am in the process of developing my own website and with a group released my first Android app. I am currently on Winter break and working at Midmark Corp in IT. I am also learning iOS Swift development in my spare time, a goal I've been targeting for quite some time now.

Publications

InBetween

Google Play Store November 22, 2014

Authors: Brandon Groff

This app was a group project for CS222. With 3 other team members, we made a card game app that is now available worldwide. We are currently on version 1.1.1 and will be making updates as we see necessary.

Experience

Developer Apprentice at Ball State Digital Corps

January 2015 - Present (3 months)

As a Digital Corp Apprentice on the Development Team, I am currently being trained on many skills, including UNIX terminal, iOS, Android, Front-End Web, and Back-End Web development.

Office of Housing and Residence Life Computer Service Technician at Ball State University

September 2014 - January 2015 (5 months)

As a Computer Service Technician for Housing and Residence Life, I was responsible for upkeep and repair for all computers, printers, and related items in residence halls, buildings, and for off campus students. Jobs would vary from simple software fixes to hardware repair/replacement.

IT Intern at Midmark Corporation

May 2014 - August 2014 (4 months)

As an IT Intern at Midmark, my duties were far and wide. A days work could range anywhere from new system setup to creating a batch script to automate a process. Overall, the duties consisted of computer imaging, hardware and software setup, changing networking cables to accompany moving/new teammates, creating deployable software packages, making batch programs to automate tasks, cleaning up and placing

systems in an Active Directory, gathering system information for all company assets, and documenting new/improved procedures to make tasks simpler. Beyond this, I also participated in multiple projects, the first of which was organizing and setting up an inventory system for the IT Stock Room. Later on, I was placed at the head of deploying and initiating the remote backups of every corporate laptop, a task which I diligently worked on until my last day. In the end, working at Midmark was a very enjoyable experience that taught me a lot about how technology interacts in the corporate setting.

Teachers Aid at Ball State University

January 2014 - May 2014 (5 months)

As a computer Science teacher's aid, I was expected to help students in Python programming labs and outside of class, as well as aid in grading projects.

Projects

Buzzed Buddy

February 2015 to Present

Members: Brandon Groff, Alex Cordonnier

Created during HackIllinois 2015, the idea behind this app was to create something simple that would be useful for college students. The app features an extremely simple interface that aids in two things: finding nearby food, and going home. There is also a hidden feature that can be enabled in the settings. For this mobile application, we developed for iOS using the new Swift language. Buzzed Buddy makes use of the built in Apple Maps as well as the UIUC local bus system's API.

In Between, the Card Game (iOS)

December 2014 to Present

Members: Brandon Groff

After completion of our first Android application InBetween, I was motivated to learn iOS programming. Since then, I have watched tutorials and have begun remaking our app in iOS as a personal project.

In Between, the Card Game

September 2014 to Present

Members: Brandon Groff

In Between is a simple card game that is relatively unfound on app stores. For our group's final project in CS222 (Advanced Programming), we are creating an Android app of this game. Under my direction, we consistently met and achieved goals that brought us closer to having a final product. On 11/22/2014, version 1 of the app was released worldwide on the Google Play store. The current version is 1.1.1.

Code of Knighthood

December 2014 to December 2014

Members: Brandon Groff

As a final project for an honors class, I have decided to make an Android app. In this app, with the help of a classmate, we are simply analyzing and explaining the Code of Knighthood in a Medieval and Modern context. I also experimented with Android Fragment Activities in this app.

My Personal Portfolio Website

November 2014 to Present

Members: Brandon Groff

This website project is a personal project that I have just recently taken up. I have little experience in Web Development up to this point, so I decided to create my own website. This website serves as both an educational experience and a way to tell employers about myself (once I have finished). As of now, the site is under a lot of construction, but I will continue to work on it until it meets my satisfaction.

MCVerify

October 2014 to October 2014

Members: Brandon Groff, Alex Cordonnier

Created at the Boilermake 2014 Hackathon, our group of 4 created a compiler that could convert Verilog low level machine code into Redstone circuits in Minecraft. The project uses a public project known as MCMModify as part of the base. The project is 80% complete at this time and may be revisited in the future to complete and clean. The code is at this time located in a private repository.

Education

Ball State University

Bachelor of Science (B.S.), Computer Science, 2013 - 2017

Activities and Societies: Ultimate Frisbee Club, Note to Self male a Capella club

Versailles High School

High School Honors Diploma, 2009 - 2013

Activities and Societies: NHS, Spanish club, High School Musicals, Showchoir, Golf, Bowling

Skills & Expertise

Operating Systems

Windows & Mac operating systems

OS X

Linux

Computer Proficiency

Android Development

Team Leadership

Java

Computer Science

Programming

Critical Thinking

Python

Ubuntu

Virtual Machines

Scripting

HTML

Networking

Boot Camp

Disk Partitioning
Troubleshooting
Information Technology
Computer Repair
Computer Hardware
Calculus
Mathematics
Microsoft Office
iTunes
Finale
Weightlifting
CSS
JavaScript

Courses

Bachelor of Science (B.S.), Computer Science

Ball State University	
Computer Science I	CS 120
Discrete Structures	CS 124
Computer Science II	CS121
Advanced Programming	CS222
Serious Game Design	HONR390G
Computer Organization and Architecture	CS230

Test Scores

ACT

October 2012 Score:33

ACT

June 2012 Score:31

AP Calculus AB

January 2012 Score:3

AP Calculus BC

January 2013 Score:3

Languages

English	(Native or bilingual proficiency)
Spanish	(Limited working proficiency)

Honors and Awards

Scholar Athlete

Versailles High School

November 2010

Received by having a 3.5+ GPA while being a Varsity athlete. This reward was a recognition received 3 years in a row, 2010, 2011, and 2012.

Organizations

National Honors Society

Member

March 2011 to Present

Ball State's Note to Self

Member

January 2014 to May 2014

Ball State's first Male a Capella group.

Ball State's Ultimate Frisbee Club

Member

August 2013 to Present

Interests

Computers, Computer Software & Hardware, New technologies, Computer Programming, Operating Systems, Virtual Machine-ware, Emulators, Music Production/Remixing, Singing/Performing, Mobile Development

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