

# Thomas R. Underwood II

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## **OBJECTIVE**

To fulfill a full time position upon graduation and to contribute to the success of the team by adding value through creative problem solving and determination.

## **EDUCATION**

### **Bachelor of Science in Computer Science**

University of Kentucky, Lexington, KY.

To be awarded: December 2016

## **TECHNICAL SKILLS**

Software	Hardware	General
C, C++, Python	Embedded Systems (ARM, Spartan 3, TI Tivia, Arduino, Raspberry Pi)	Server Environments (LAMP, WAMP)
Javascript, JQUERY, PHP	Circuit Design and Analysis (Digilent Explorer Board)	Server services (MySQL, Control Panels, FTP, SSH, SSL, etc.)
HTML5, CSS3, SQL, NoSQL	Linux Servers (Ubuntu, Arch, Redhat)	Windows Server 2008 & 2012 Administrator
Bash Shell Scripting		Windows 2008 & 2012 Active Directory
Git, SVN, Database Tools (Navicat)		Matlab and Mathematica
GNU Tools (GDB, GCC, G++, etc)		Microsoft Office (Excel, Word, PowerPoint, Visio)
Apache, NGINX, MongoDB, Redis		Troubleshooting and computer repair (Basic and Advanced)

## **COMPUTER SCIENCE EXPERIENCE**

### ***Student Developer (University of Kentucky), Center on Drug and Alcohol Research***

- Maintained and updated existing PHP framework managed with the Yii platform
- Wrote PHP server housekeeping scripts for cleaning up survey data
- Rewrote existing project websites to be grid based and mobile friendly
- Designed and implemented custom surveys with grid and mobile support in mind
- Made custom SQL queries for different projects and end users
- Managed SQL database users and permissions for projects
- Created documentation for testing and maintaining projects and other company resources

### ***Quality Assurance (World Port Hub), United Parcel Service: Louisville, KY***

- Executed and documented test scripts using HP Quality Center
- Designed test scripts for HP Quick Test Professional
- Participated in test flow meetings
- Learned how to establish and test functional requirements
- Went on-site to test our software at the World Port Hub

### ***Network Administrator, Bell Engineering Firm: Lexington, KY***

- Oversaw Bell Engineering's servers and active directory company wide
- Vetted vendor products, selected, procured and installed all electronics for office and field use (Dell precision laptops, desktops and tablets)
- Configured and installed patch panels and ran CAT6 for a new location
- Hardware repair and refurbishment (laptops, desktops, servers, UPS's, etc.)