Thomas R. Underwood II

ThomasUnderwoodII@gmail.com   502-468-1308

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's in Computer Science

University of Kentucky, Lexington, Ky.   Graduation Date: December 2016

SKILLS

- C/C++, Python, Shell Scripting, LaTeX
- JavaScript, PHP, HTML5, CSS3, SQL
- Git, SVN, Database tools (Navicat)
- Embedded Systems (ARM, Spartan 3, Arduino, Raspberry Pi)
- Circuit Design and Analysis (Digilent Explorer Board)
- GNU Tools (GDB, GCC, G++, etc.)
- Secure Shell Scripting – For Automation
- Linux Servers (Ubuntu, Arch, Red Hat)
- Server Environments (LAMP, WAMP)
- Server services (Apache, mySQL, Control Panels, FTP, SSH, SSL, etc.)
- Windows Server 2008 Administrator
- Windows 2008 Active Directory
- Matlab and Mathematica
- Microsoft Office (Excel, Word, Power Point)
- Troubleshooting and computer repair (Basic and Advanced)

WORK EXPERIENCE

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

(Internship – Full Time – Full Time Student)

- 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.
- Wrote 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.

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***Quality Assurance (World Port Hub)**, **U**nited **P**arcel **S**ervice: Louisville, KY*

(Internship – Full Time – Full Time Student*)*

- Executed and documented test scripts using HP Quality Center
- Wrote 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*

*(*Part Time - 20 hr/week – Full Time Student*)*

- Maintained 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.)

Professional References

Jeb Messer (University of Kentucky: UKCDAR)
    Hiring Manager and Software Engineer
    University of Kentucky College of Medicine: Substance Abuse Research
    333 Waller Avenue – University of Kentucky, Lexington, KY
    E-mail: jeb.Messer@uky.edu Phone: 859-257-1400

Tom Cecil (UPS: Software Testing)
    Software Testing Department Manager
    UPS World Port Hub, Louisville, KY
    Phone: 502-435-4471

Dr. Jeffrey Ashley (10x Professor of the year, 1x Provost award)
    Assistant Professor of the College of Electrical and Computer Engineering
    565 F. Paul Anderson Tower – University of Kentucky, Lexington, KY
    E-mail: jeffrey.ashley@uky.du Phone: 859-257-8049 Fax: 859-257-3092