

Trey Merkley

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Professional Summary

OSU Okmulgee honors graduate looking for a full time developer role. I am a fast learner, perform excellently under pressure, and look forward to taking on new challenges in a fast paced company.

Highlights

Programming Languages	C#, HTML/CSS, L ^A T _E X, Python, SQL (SQL Server and MySQL dialects), PHP, Java, JavaScript, Ruby, Lua, Grok
Tools	Bash, GIMP, Git, GitHub, Active Directory, Windows Server, ConnectWise TMS, Printer Installation, Hardware and Software Troubleshooting, Network Administration, Elastic Stack
Development Environments	Command-Line Interfaces, Emacs, Linux (Arch, Debian/Ubuntu), Visual Studio (Suite and Code)

Skills

Technical

- C#
 - .NET, Core, Framework, and Mono
 - Complex GUI applications using Visual Studio 2010-2017
 - ADO.NET apps for server access and data manipulation
- Java
 - Used Android Studio 2015 to develop Android applications
- Python
 - Graphical wrappers for command line packages and Python-based APIs using Qt5 via PyQt5/PySide2
 - Pandas and Matplotlib
- SQL
 - Manipulated SQL Server and MariaDB
 - graphical frontend and terminal

Other

- fast learner
- goal oriented
- stays organized
- accountable
- committed to optimization
- analytical
- perform exceptionally under pressure
- prioritize tasks effectively
- work well with a team
- solve problems creatively
- effective communicator
- passionate about software

Experience

Work

- Global Service Desk Engineer I - True Digital Security
 - I am the first line of support for our clients from across the country. I provide them with Tier I and Tier II technical support, addressing a wide range of issues such as maintaining security and credentials, diagnosing and resolving problems with business applications, AWS virtual workstations, troubleshooting hardware failures.
 - I develop Grok queries and Python scripts to parse log data and work closely with the DevOps team to provide world-class data analysis and visualization to our clients along with excellent customer service.
- Intern - The Blyth Institute
 - I applied the concept of Generalized Information, developed at The Blyth Institute, to practical problems in machine learning, including identifying potential datasets to utilize for testing, identifying the machine learning platforms/algorithms to use for testing, working with the institute to establish active information measurement methodologies within those platforms and algorithms, working with the institute to establish a methodology of model size assignment within those platforms and algorithms, and testing machine learning models in Ruby to determine if Generalized Information is able to successfully identify valid models.
- Computer Technician - Oklahoma State University Institute of Technology
 - I was the primary IT technician for the student body of OSUIT. I analyzed, troubleshooted, and implemented solutions to maintain an extensive, school-wide network and provide on-site troubleshooting for hundreds of students and faculty members campus-wide.

Projects

- I actively contribute to/maintain multiple software projects, including:
 - renpy-mode (Elisp)
Syntax highlighting framework on Emacs for the Ren'Py game engine. I am currently the sole maintainer for the renpy-mode software.
 - codefortulsa/clear-my-record (JavaScript)
Client-side app for the Code for Tulsa civic action nonprofit to automate the process of clearing the criminal records of applicable people. I fleshed out the form with extra fields and implemented professional document formatting to the resulting form.
 - microsoft/msbuild (C#)
The C# compiler. I added more information to multiple error messages and provided repository maintenance.
 - openmw-nif-cleaner (Python)
Project to provide an easy-to-use, automated method of porting texture files from the archaic Gamebryo engine to the modern OpenMW engine. I wrote the GUI and tied it to the backend, as well as refactored and optimized the code for the backend.
- I currently work on a few different hobby network administration projects, including:
 - File servers
 - Home theater PCs
 - Linux workstations

Education

- August 2019** **B. Tech, Information Technology**; Oklahoma State University Institute of Technology
Summa Cum Laude; GPA: 3.3
- December 2017** **AS, Computer Science**; Oklahoma State University Institute of Technology **Magna**
Cum Laude; GPA: 3.5