Trey Merkley

billy.wade@pm.me
1 (918) 613-5110
github.com/treymerkley
linkedin.com/in/treymerkley

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, LaTeX, Python, SQL (SQL Server and MySQL dialects), PHP, Java, JavaScript, Ruby, Lua, Grok
Tools	Bash, GIMP, Git, GitHub,
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 • Apr 2019 - Present
  - 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 • Jan 2019 - Mar 2019
  - 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 • Sep 2017 - Apr 2019
  - 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/mantain 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.

Education

August 2019 **B. Tech, Information Technology**; Oklahoma State University Institute of Technology **Cum Laude; GPA: 3.3**

December 2017 **AS, Computer Science**; Oklahoma State University Institute of Technology **Magna Cum Laude; GPA: 3.5**