



Matthew Austin Cavener

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Education:

B.S. Physics, Oklahoma State University

(December 2015)

Experience:

Software Development

(2012-2015)

Williams, Box, Forshee & Bullard, P.C. Oklahoma City, Oklahoma

In this position I was responsible for creating automated Excel spreadsheets to reduce the workload of the staff, including year end financial summary and attorney commission assignment.

Teaching/Research Assistant

(January 2016-December 2016)

Department of Physics, Oklahoma State University

Carried out novel theoretical and experimental research on protein dynamics using the supercomputing cluster "Cowboy" and advanced FTIR spectroscopy equipment.

Performed troubleshooting on lab equipment including tunable laser and rapid scan FTIR and Windows control software and Linux quantum chemistry software suite. While teaching undergraduate labs I performed troubleshooting on Windows computers used to collect data and printers to complete assignments.

Related Skills:

Operating Systems: Windows(XP, 7, 8, 8.1, 10), Linux(_Ubuntu, Arch Linux, others), macOS, ChromeOS

Languages: Python, Visual Basic for Applications

Software: MS Office, LibreOffice, Virtualbox, MalwareBytes, Kaspersky AV, GParted

Personal Network: My network at home consists of:

- Headless Ubuntu server that serves as NAS, network monitoring, Machine Learning Dataset repository for P2P access. Previous uses include network wide domain blocking using DNS and hosts list, causing and fixing various potential issues, testing and recording download/upload speeds.

- Dual boot (Win10 and Xubuntu) desktop assembled from parts (CPU, motherboard, RAM, etc.) used for higher demand tasks such as machine learning projects, running VMs, and daily use tasks requiring GUI.

- Chromebook modified to run Xubuntu for away from home daily use.

