

Zachary Lorenzen

zllorenz@gmail.com

zachlorenzen.com

(712) 579-5884

Technical Skills

Languages: Java, C#, C, C++, Scheme, Prolog, Python, LaTeX, SQL, BASH, Groovy

Software: Microsoft Office, SCCM, AD, Eclipse, Unity, Blender, SPSS, VIM, Visual Studio, SVN

OS: Windows, Ubuntu Linux

Relevant Projects

T2 Replacement Project - Microsoft DSM Data Centers Summer 2022

Upgraded the 100g tier 2 network to a 400g tier 2 network. We replaced chassis, moved link connections, connected power cabling, dressed all fiber and power cables, and validated links after the device was deployed.

MDT Refresh - MidAmerican Energy Company Summer 2021

We replaced all Panasonic CF-31 toughbooks with new Dell 7220 tablets across the state of Iowa, including mounting new docks in service trucks.

Rapid Prototype - No Gamer Left Behind (Unity 2D & C#) November 2014

Prompted by PC Gamer's report that women now make up over 50% of PC gamers across all genres, No Gamer Left Behind is a platformer game with the purpose of spreading this news.

Summer Research - Data Compression Research (Java) Summer 2013

I developed and tested a new lossless data compression algorithm with Dr. Stone, a professor of physics and computer science at BVU. We tested the new method against static and adaptive Huffman algorithms, the Shannon-Fano algorithm, and others.

Work History

Data Center Server Technician at TekSystems

May 2022 : Present

- Provided hardware support to servers at Microsoft DSM data centers, including T2 network upgrades, link investigations, cable management and replacements, and old hardware decommissioning.
- Followed safety protocols to minimize the risk of potential injury / ill-health as outlined in our team's Task Hazard Analysis.

Desktop Support Technician at Pomeroy LLC

March 2020 : May 2022

- Provided technical support for Microsoft Office, Windows 10, Laptops and Desktops (HP and Dell), as well as tablets (Dell)
- Imaged and prepared new machines (laptops, desktops, and tablets), then deployed them to users along with monitors and docking stations

Farm Hand at Lorenzen Farms

May 2016 : March 2020

- Cattle, Swine, and Crops.

Education

B.S. Buena Vista University Corporate Mathematics & Computer Science/Mathematics May 2014

M.E.A.E. University of Utah Entertainment Arts and Engineering Master (Incomplete) May 2015