

# Zachary Lorenzen

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[zachlorenzen.com](http://zachlorenzen.com)

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## Technical Skills

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

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

OS: Windows, Ubuntu Linux

## Relevant Projects

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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 with the purpose of spreading this news.*

Computer Science Capstone Project (Undergraduate) – Dias (Unity 3D & C#) May 2014  
*Dias is a fully 3D, team-based, competitive multiplayer, arena platformer.*  
*Development blog: [diasdev.blogspot.com](http://diasdev.blogspot.com)*

Software Engineering - HAM (Python, Django, MySQL) May 2014  
*Home Automated Management provided remote home management to clients, which allowed them to turn lights on and off, and other basic functions.*  
*Development blog: [hambvu.blogspot.com](http://hambvu.blogspot.com)*

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.*

Regression Analysis – Competitive Gaming and Speed (SPSS) May 2012  
*I collected data from over two thousand Starcraft players on how fast they play, their age, and other factors that relate to their gameplay.*

## Work History

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Desktop Technician at Pomeroy LLC

March 2020 : Present

- 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

2006 : September 2010, May 2016 : October 2018

- Cattle, Swine, and Crops.

## Education

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**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