

ZACHARY SWART

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Portfolio Website

EDUCATION

B.S. IN BUSINESS ANALYTICS | GPA 3.9

- Brigham Young University – Idaho

Jan 2024 – Dec 2027

Rexburg, ID

COURSES COMPLETED

- SQL for Analyst, **Data Science**, Spreadsheet Analysis, **Business Analytics**, Web Fundamentals, & Statistics with R

DATA ANALYST WORK

- Crypto Miner:** Achieved **100%+ ROI** from building a cryptocurrency mining rig by optimizing hash rates through GPU overclocking, command-line configuration, and implementation of up-to-date blockchain strategies.
- Website Hackathon:** Collaborated with a **4-member team** to design and deploy a full-stack website capable of serving **hundreds of users**, enabling students to manage assignments and schedules efficiently.
- Home Server:** Designed and configured a **self-hosted Ubuntu + TrueNAS** system to run custom apps and hosting services, applying principles of networking, cybersecurity, and system administration.
- Power BI:** Analyzed **1,000+ investment funds** to create a presentation for retirement clients, highlighting key performance metrics and actionable financial insights.
- Excel:** Completed **20+ business-focused Excel projects**, leveraging **XLOOKUP, VBA, Pivot Tables, Power Query**, and advanced formulas to solve real-world problems and automate processes.

EXPERIENCE

SQL TEACHING ASSISTANT

Brigham Young University – Idaho

Apr 2025 – Present

Rexburg, ID

- Improved the **SQL proficiency** of **30+ students** through individualized tutoring, emphasizing core concepts such as **JOINS, CTEs, window functions, CASE statements, and subqueries**.
- Redesigned and **modernized 4 exams** and **13 assignments** to improve question clarity, query realism, and instructional consistency.

CAREER SUCCESS MENTOR

Brigham Young University – Idaho

Jan 2025 – Present

Rexburg, ID

- Earned **90% satisfaction rating** across **300+ student appointments** by identifying student needs, advising solutions, and communicating clear insights on job market readiness.
- Increased **data validation efficiency by 400%** through the development of an **Excel Macro and VBA analyzer** that automated error detection and reporting.

INTERN - LINE WORKER

Polaris Inc

Apr 2024 – Aug 2024

Roseau, MN

- Obtained a **Lean Six Sigma Green Belt** and reduced station cycle time by **15 seconds (from 2:30 to 2:15)** through waste elimination in motion and excessive processing.

SKILLS

EXPERT: Excel | SQL | Power BI

INTERMEDIATE: Tableau | Python | JavaScript | HTML | CSS | R | Ubuntu