Nicholas Boss

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Professional Experience

Data Technician Intern August 2024 - April 2025
Legrande Health Rexburg, ID

- Transferred data from AWS to Google Cloud using Cloud Run Functions and listeners running on a Cloud Compute Engine VM, saving approximately $300 a month
- Built a data warehouse from three separate databases, consolidating data into one source providing greater access to analytical data to improve workflow

Teaching Assistant September 2021 - April 2025
Brigham Young University - Idaho Rexburg, ID

- Mentored approximately 1000+ students by helping others learn concepts in the Intro to Databases, SQL, Web Fundamentals, and Intro to Cloud courses
- Volunteered time to create a 2 hour Concept Workshop helping students prepare and succeed in final exams
- Taught various topics such as database normalization, ERD creation, CRUD, CSS grid, HTML, JavaScript
- Integrated the AWS system students use for classes in the CSE Department

Projects

- Clearview (Data Science Society) - Building a database and web application with a volunteer team of students to help Clearview to organize work orders, reducing around 40 Google worksheets needed to accomplish the same task
- Class Scheduler App (Personal) - Developed a web application interfacing with a Google account to create custom calendars and simplified the creation of repeating events including options for a custom location, custom time, and default reminders
- Auto Grading Programs (Personal) - Developed programs to help assist teachers and TAs grading assignments for the Intro to Database and SQL classes at BYU-Idaho
- So Special Sweets (Personal) - Built a full stack application for the So Special Sweets business deploying it with the PERN stack

Education

Bachelor of Software Engineering September 2020 - December 2025
Brigham Young University - Idaho Rexburg, ID

- GPA: 3.845
- Relevant coursework: SQL, Web Backend Development, Applied Programming, Database Programming
- Emphasis on Full-Stack Development

Volunteer Experience

The Church of Jesus Christ of Latter-day Saints – Mendoza, Argentina
Full-time Service Representative October 2018 - April 2020

- Learned Spanish (Fluent). Had interactions with people through teaching and service for 2 years
- Discovered how to love people, work hard, and interact with complete strangers on a daily basis
- Ascertained how to work with different personalities, helping to construct social skills daily