

# MILES LOWRY

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## WORK

### **Web Developer — Amano**

Oct 2020 – Dec 2020

- Transformed client vision of a dashboard for managing pools into a proof-of-concept Node.js application using REST API architecture
- Designed and built a MongoDB database
- Created a dashboard to display current pool levels, historical data, and alerts and recommendations about managed pools using Node.js and MongoDB
- URL: [amanodashboard.herokuapp.com](https://amanodashboard.herokuapp.com)

### **Web Developer — ELITechGroup, Inc.**

Oct 2020 – Dec 2020

- Developed a responsive website showing international product registration, licensing, and agreements using JS, SQL Server 2012, and PHP 7.2
- Worked with team to design an easily scalable database in SQL Server 2012
- Managed client-side design, code, and execution by leading team meetings each week and acting as an admin for the GitHub repository
- Designed and developed 85% of the web pages and JS functionality
- URL: [elitechgroupinc.com](https://elitechgroupinc.com)

### **Data Analyst — BYU-Idaho Student Support**

Jan 2017 – Apr 2019

- Pitched and created a data analytics program from the ground up to help the department track and achieve its student retention goals using Qualtrics, Excel, SPSS, and R
- Used historical data and R to perform data analytics to identify which candidates were most likely to become volunteers for the department
- Brought volunteer survey response rates up from 4% to a consistent 20% by creating a series of automated reminders in Qualtrics
- Developed automated dashboards and reports for an executive vice president using Google Sheets and Excel

### **Research/Teaching Assistant — BYU-Idaho Psychology Department**

Sep 2016 – Jan 2018

- Taught students effective writing and research principles
- Provided constructive feedback on coursework to students from three classes
- Helped students develop critical thinking skills by challenging their assumptions on writing assignments.

## **EDUCATION**

**M.S. in Management of Information Systems** — Utah State University, Dec 2020

**B.S. in Psychology** — Brigham Young University-Idaho, Apr 2019

## **SKILLS**

### **Programming and Frameworks**

- JavaScript (ES6)
- Node.js
- jQuery
- Python
- HTML, HTML5, CSS3
- Object-Oriented Programming

### **Data and DBMS**

- MongoDB
- Microsoft SQL Server (SSIS, SSRS, SSAS)
- Microsoft SQL Server Management Studio
- SQL
- Data Mining (Python, SSAS)