

# Zach Madson

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## EXPERIENCE

### Reporting Analyst 4

AMN Healthcare

January 2022 – Present, Brooklyn, New York

- Transitioned the New Grad program into a PowerBI application eliminating 10+ hours of month end work by automating analysis and communication of clinician bonus eligibility to senior management.
- Owned the product development of an internal application tracking clinician application roadblocks resulting in a reduction of the average application time by over 5 days.
- Migrated 5 QlikSense reports relying on SQL to Snowflake and PowerBI reducing refresh time by over 35 minutes (~78%).
- Automated 5+ hours of weekly work by transitioning dynamic SQL scripts into paginated reports.
- Developed a Marketing Leadership dashboard providing insight into Lifetime Value and Lead to Placement conversion rates of clinicians.
- Built a reporting hub for the Recruitment division that analyzes number of calls to prospective clinicians, total call time, and offers booked by recruiter on a time adjustable basis.

### Business Reporting Analyst

Baker Tilly

March 2020 – January 2023, Denver, CO

- Collaborated with the Finance department to build out a PowerBI application highlighting KPIs in resource management and adoption of business intelligence tools.
- Updated date function that was source of data quality issue permeating through 150+ SQL data objects in the firm's production environment.
- Built a revenue forecasting PowerBI application for the firm's Partners highlighting fiscal year performance in response to COVID-19.
- Optimized 20+ SQL views used by an internal application leading to a reduction in Help Desk tickets regarding application failure and data quality issues.
- Owned product development of a PowerBI application identifying over 40 reports for decommission based on usage over the past 2 fiscal years.
- Leveraged ticketing services such as ServiceNow and EasyVista to resolve 200+ ad hoc data and reporting requests.

### Associate IT Analyst

Ecolab

January 2019 – March 2020, Saint Paul, MN

- Managed 8-member international team, tracking progress, resolving roadblocks, and maintaining the product backlog in Azure DevOps in order to deliver an enterprise-wide ChatBot.
- Served in Project Manager, Business Analyst, and BI Developer roles to assist in the deployment of 60 Marketing, Sales, and Finance reports for the Healthcare department.
- Gathered requirements, lead UAT, and orchestrated Go-Live plan of over 10 compensation and bonus reports for the Field Operations Finance team.
- Managed the retirement and migration of 100+ Windows 2008 servers across the firm.
- Constructed department's production release notes providing Ecolab leadership with a high-level view of business impact from completed development.

### IT Intern

Ecolab

May 2018 – August 2018, Saint Paul, MN

- Built a PowerBI dashboard highlighting the computational costs associated with Microsoft Azure resulting in optimizations, saving the IT department over \$50,000 in under 4 months.
- Served in Project Manager, Business Analyst, and BI Developer roles assisting in the development of 60+ enterprise reports.

### Electrical Engineering Intern

Astronautics Corporation of America

May 2017 – August 2017, Milwaukee, WI

- Utilized Excel VBA to analyze over 10,000 flight records to verify the failure rates of electrical components found in the company's Aerospace and Astronautic products.

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## EDUCATION

### Bachelors of Science in Mathematics

Minor in Computer Science • University of Wisconsin – Madison • Madison, WI • 2018

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## SKILLS

SQL, Snowflake, Python, JavaScript, Java, HTML, CSS, Matlab, R, Microsoft Suite