**Alex Bauer**

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EDUCATION

**Lawrence University Appleton, WI**

BA in Philosophy, Minor in Biostatistics, Concentration in Computer Science 2016 – 2020

**TECHNICAL EXPERIENCE**

* Detail-oriented programmer committed to completing complex data analyses and capable of managing multiple workstreams in fast-paced environments.
* Strong analytical background with expertise in RStudio and Python for data analysis and modeling.
* Applied statistical methods for hypothesis testing, including Principal Components Analysis, regression trees, and clustering.
* Proficient in SQL for data extraction, manipulation, and querying to derive meaningful insights.
* Capable of generating ad-hoc analyses and reports to support decision-making processes.
* Knowledgeable in database administration and experienced in maintaining high levels of data integrity.
* Proficient in utilizing robust computer science platforms for effective data management and analysis, including Azure, AWS, and Google Cloud.
* Utilized cloud server instances to run a modified Ethereum node that predicts upcoming transactions based on an SQL database of historical market data.
* Created a custom internet search engine that can be used by Large Language Models, which scrapes all the text from the top results and generates data vectors from only the relevant information, extending the knowledge the model can use for answering questions to relevant search results.
* Managed Point of Sale implementation project, including hardware installation, data input, customization, and staff training. The new register system reduced checkout times, increased profits, and improved customer satisfaction.

**LEADERSHIP AND TEAM EXPERIENCE**

* Worked with a team of peers to present and submit research to accredited academic journals for publishing.
* Facilitated process improvement to develop the customer experience and manage feedback system data. Supported employee, vendor, and client relations to streamline payment processing, supply procurement, inventory accounting, and customer retention processes.
* Calm and effective in times of crisis while supporting injured guests in first aid situations.
* Installed computer hardware for college faculty.
* Constructed a functional food truck out of an old moving van by designing and installing modifications within shareholder needs.
* Lead a small team of student workers to maintain flowers, decorative plants, and landscaping.

**WORK EXPERIENCE**

**Celtica French Bakery New Orleans, LA**

POS Specialist & Team member 2022 – Current

**Casual Fine Dining Server**

Lakeview Pearl, New Orleans, LA 2022 – 2023

Saigon Café, Colorado Springs, CO 2022

The Melting Pot, Colorado Springs, CO 2021 – 2022

**BYOBeez Appleton, WI**

Assistant Researcher 2017 – 2020

**Colorado College Colorado Springs, CO**

Carpenter’s Assistant 2019

Groundskeeper 2017 – 2018

**Copper Mountain Copper Mountain, CO**

Volunteer Ski Patrol  2014 – 2016