**Alex Bauer**

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EDUCATION

**Lawrence University Appleton, WI**

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

**TECHNICAL EXPERIENCE**

* Strong analytical background with expertise in RStudio and Python for data analysis and modeling.
* Experienced with 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 text from top search results and generates data vectors from only the relevant information to extend the knowledge of the model used for answering questions to relevant search results.

**WORK EXPERIENCE**

**Celtica French Bakery New Orleans, LA**

POS Specialist & Team Lead 2022 – Current

* Managed Point of Sale implementation project, including hardware installation, data input, customization, and staff training. The new register system reduced checkout times to increase sales.
* Facilitated change management to increase revenue by enhancing the customer experience.
* Supported employee, vendor, and client relations to streamline the payment processing system to improve inventory accounting and customer retention.

**Saigon Café Colorado Springs, CO**

Team Lead 2021 – 2022

* Displays strong problem-solving abilities to ensure customer satisfaction in fast-paced environments.

**BYOBeez Appleton, WI**

Assistant Researcher 2017 – 2020

* Collaborated with peers to present and submit research to accredited academic journals for publishing.

**Colorado College Colorado Springs, CO**

Lead Groundskeeper & Assistant Carpenter 2018 – 2019

* Led a team of student workers to maintain campus gardens and landscaping.
* Evaluated the needs of shareholders to create a plan to install modifications on standard box trucks to create functional food trucks for the organization.

**Copper Mountain Ski Patrol Copper Mountain, CO**

Volunteer Ski Patroller 2014-2017

* Collaboratively ensured guest safety by actively engaging in a dynamic team environment, leveraging strong communication and problem-solving skills to address and mitigate on-mountain emergencies.

**SKILLS**

Python, JavaScript, React, HTML/CSS, Postgres, SQL, RStudio, Statistical Modeling, Machine Learning, Keras, Power BI, Azure, AWS, Google Cloud, SVG Design, Word/Excel/PowerPoint