

JACOB BRECHEISEN

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EDUCATION

GPA: 4.0

Credit Hours: 120

BACHELOR OF SCIENCE, DATA SCIENCE

University of Arkansas

August 2020 – May 2024

Fayetteville, AR

- Computational Analytics Concentration
- Arkansas Data Science Association Member
- Completed coursework in Java, Python, and R

BACHELOR OF ARTS, COMPUTER SCIENCE

University of Arkansas

August 2022 – May 2024

Fayetteville, AR

- Completed coursework in C++ and Java

EXPERIENCE

DATA ENGINEER

University of Arkansas

October 2021 – May 2022

Fayetteville, AR

Collaborated with faculty to analyze and transfer large-scale insurance data from BlueCross BlueShield to the University of Arkansas' enterprise systems, utilizing advanced skills in SQL, Teradata, SAS, and machine learning. Contributed to the early stages of this highly complex and data-intensive project, demonstrating strong problem-solving abilities and technical expertise.

SOFTWARE DEVELOPER

CareShare

August 2022 – Present

Fayetteville, AR

As lead software developer for the CareShare product team at the McMillion Studio of Innovation, played a key role in the development and launch of a healthcare product designed to streamline cost-sharing between employers and employees. Leveraged expertise in HTML, JavaScript, PHP, and SQL to drive the successful delivery of a highly innovative and user-friendly product, contributing to the growth and success of the team.

TUTOR

Do College Better

September 2021 – Present

Fayetteville, AR

Expertly tutored students in advanced statistical and data analysis techniques, including machine learning and artificial intelligence, to improve academic performance and prepare for academic or occupational tests. Demonstrated strong ability to effectively communicate complex concepts to individual or small groups of students, fostering their understanding and success in highly technical and challenging subjects.

SKILLS

Python	Experience using TensorFlow, PyTorch, and scikit-learn for machine learning tasks
R	Proficient in using various packages and tools in R for tasks such as classification, regression, and clustering
Java	Strong foundation in Java with experience in both object-oriented and functional programming paradigms
C++	Used C++ to create a compiler, showing advanced skills in lexical analysis, syntax parsing, and code generation
JavaScript	Basic understanding of JavaScript and experience using it to create simple programs and interactive web pages
SQL	Expertise in data modeling, indexing, and optimization within MySQL and other popular frameworks
Unix	Ability to use the command line for file manipulation, system administration, and shell scripting
x86 Assembly	Some experience in x86 assembly, including the creation of a rudimentary breadboard computer
HTML	Proficient in HTML and have experience using it to create and structure web content