

## Data Engineering Intern



SEPTEMBER 04, 2026

Hiring Team  
Hearthstone Consumer Products  
Knoxville, Tennessee

Dear Hiring Team at Hearthstone Consumer Products,

I am excited to apply for the Data Engineering Intern role at Hearthstone Consumer Products. I recently completed a Bachelor of Science in Computer Science at the University of Tennessee, Knoxville, and I am interested in work that connects reliable data foundations with real business decisions.

In my university data engineering lab, I built Python and SQL **ETL pipelines** that moved 185,000 student-services records into Azure Data Lake and **Databricks**. I added **data quality validation** checks for schemas, null rates, duplicates, and referential integrity. I documented a dimensional data model and reusable patterns in GitHub, giving the team a clear record of each transformation.

My capstone project gave me practice turning sponsor interviews into requirements, acceptance criteria, and delivery plans. I built Azure ingestion jobs for simulated retail transactions, profiled missingness and outliers, and created a basic **A/B test** with **confidence intervals**. I presented the results in English through a Power BI report and explained the limits of the sample to a business audience.

I bring hands-on work with Python, SQL, Azure, Databricks, GitHub, CI/CD, statistical profiling, regression, classification, and AI/ML experiments. I am bilingual in Spanish and English, hold a valid Tennessee driver's license, and enjoy working with people across technical and business teams. I would welcome the chance to bring this experience to Hearthstone Consumer Products and learn from its engineers.

Thank you for your time and consideration. I look forward to hearing from you.

Sincerely,