

# JACOB VALLERY

[jacob\\_vallery@outlook.com](mailto:jacob_vallery@outlook.com) | [github.com/JacobVallery](https://github.com/JacobVallery) | (270) 952-6367 | Louisville, KY 40215

## Summary -

Resourceful and detail-oriented Software and Data Engineer with a strong foundation in full-stack development, data pipelines, and software architecture. Recently earned a Bachelor of Science degree in Software and Data Engineering building on years of creative, hands-on experience in problem solving, technical craftsmanship, and collaborative project execution. Adept at bridging practical creativity with analytical rigor to design scalable, user-centric solutions. Passionate about continuous learning, clean code, and delivering impactful, real-world software.

## Skills

**Programming Languages:** Java, JavaScript, Python, SQL, C++.

**Web Development:** HTML, CSS, React, NODE.js, REST APIs.

**Databases:** SQL, MongoDB, NoSQL.

**Cloud Platforms:** Azure, Google Cloud Platforms.

**DevOps Tools:** Git, Docker, CI/CD pipelines.

**Version Control:** Git, GitHub, GitLab.

**Testing:** Unit testing, integration testing, PyTest.

**Data Analysis:** NumPy, Pandas, Matplotlib, Excel

**Data Visualization:** Seaborn

**Data Warehousing:** Google BigQuery.

**SQL Proficiency:** Writing complex Queries, joins, CTEs, optimization.

**Software Engineering Practices:** Agile and Scrum Methodologies, Object-Oriented Programming (OOP), Clean Code and Design Patterns, Software Development Life Cycle (SDLC), Code Review.

## Experience -

Custom Wig Company | Louisville, KY

**Lead Build | Wig Artisan**

05/2017- Current

- Coordinated and executed complex orders for many clients.
- Managed and mentored new hires, ensuring a smooth onboarding and integration to the team.
- Fostered clear and effective communication with both clients and internal teammates.
- Applied a creative and analytical approach to strategic problem solving.
- Leveraged design expertise to deliver innovative solutions that met client objectives.

University of Louisville | Louisville, KY

**Theatre Department Sticher | Buyer**

08/2016 - 05/2018

- Collaborated with designers, directors, and technicians to deliver creative solutions under tight deadlines.

- Balanced multiple build projects, repairs, and purchases with efficiency and attention to detail.
- Fostered technical precision, applying exact measurements with construction methods.
- Design interpretation, translating creative concepts into tangible products.
- Identified and implemented efficient stitching or sourcing methods to meet production timelines.
- Strengthened adaptability, solving last-minute issues with limited resources,

## Education -

Bellarmino University | Louisville, KY  
**Bachelor of Science in Software and Data  
Engineering** | 05/2025

University of Louisville | Louisville, KY  
**Bachelor of Science** in Theatre Arts | 06/2018