Allyssa Dalton

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EDUCATION

Bachelor of Science in Computer Science (GPA: 3.7/4.0)

University of Indianapolis, Indianapolis, IN (August 2023 - June 2026)

TECHNICAL SKILLS

- **Programming Languages**: Python, C, C++, SQL, Javascript, Typescript, PHP
- **Databases & Tools:** MySQL, SQLite, Power BI, Azure Databricks, Azure DevOps, Firebase
- **Collaboration & Design:** Microsoft 365, Google Workspace, Balsamiq
- **Frontend Development**: HTML, CSS, Svelte, Flask, FastAPI

WORK EXPERIENCE

Business Intelligence Intern (May 2025 - October 2025)

Entegrata, Carmel, IN

- Collaborated with Power BI engineers to design and deploy interactive dashboard visualizations using DAX queries and measures for 9 law firms, improving client reporting efficiency.
- Performed quality assurance and data validation on Power BI dashboards weekly to ensure customer requirements were met before dashboards were released.
- Participated in sprint planning, daily stand-ups, and retrospective meetings to continuously improve team efficiency.

Office of Student Billing and Payment Student Assistant (July 2024 - May 2025)

University of Indianapolis, Indianapolis, IN

- Collaborated with the director on data-driven projects to improve billing processes.
- Worked with two specialized ERP software, ensuring compliance with billing protocols.
- Prepared various reporting analyses to support financial decision-making and enhance operational efficiency.

PROJECTS

Data Engineer, *ETL Pipeline for Financial Loan Data* (January 2026)

Independent Project, Indianapolis, IN

- Built an end-to-end ETL pipeline to ingest, transform, validate, and store loan data from multiple financial institutions
- Implemented schema-based validation, data normalization, and automated rejection handling to ensure data quality
- Developed 66 unit and integration tests with pytest, achieving 100% test pass rate and production-ready reliability

Project Manager, *KSPT Curriculum Map App* (August 2025 - May 2026)

R.B. Annis School of Engineering, University of Indianapolis, Indianapolis, IN

- Led a team of 6 to design and implement a web-based curriculum mapping tool for the Doctorate of Physical Therapy program
- Managed SCRUM workflows, coordinated sprints, and collaborated with faculty stakeholders on technical requirements
- Integrated AI-assisted mapping to automate alignment between course objectives and accreditation standards

Full-Stack Developer, *Faculty Academy Events Management System* (August 2025 - May 2026)

R.B. Annis School of Engineering, University of Indianapolis, Indianapolis, IN

- Built a full-stack event management platform enabling faculty to manage and publish academic events
- Integrated Google Calendar API with robust error handling to ensure reliable event synchronization
- Developed admin tools and automated backend workflows for approval and live publishing