

Emily Dawson

New-Grad SWE · B.S. Computer Science 2026

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SUMMARY

Computer science graduate specialized in data structures and backend development. Solved 480+ DSA problems, built three production-grade projects with measurable outcomes, and shipped code at two internships — seeking an SDE role where clean fundamentals matter.

EDUCATION

B.S. Computer Science & Engineering — GPA 3.7/4.0

2022 – 2026

University of Texas at Dallas

INTERNSHIPS

SDE Intern — Finlytica

05/2025 – 07/2025 · Remote

- Built a transaction-categorization service in Java and Spring Boot, labeling 30k transactions/day at 94% accuracy
- Reduced API response time 45% by adding Redis caching and fixing three N+1 query paths

Backend Intern — CampusKart

12/2024 – 02/2025 · Dallas, TX

- Developed order-tracking REST endpoints used by 4k student users; wrote 60+ unit tests raising coverage to 82%

SKILLS

Languages: Java · Python · C++ · SQL · JavaScript

Core: Data Structures · Algorithms · OOP · DBMS · Operating Systems

Tools: Spring Boot · Git · Docker · MySQL · Redis · Linux

PROJECTS

- RouteMate — carpool matcher for campus commutes: Dijkstra-based matching in Java, 300+ signups in the first month, 92% match satisfaction
- ExamSage — MCQ practice platform with spaced repetition: Python/Flask + PostgreSQL, adopted by 2 student clubs (500+ users)
- LogLens — CLI log analyzer parsing 1GB files in under 40s with streaming and multiprocessing; 120 GitHub stars

ACHIEVEMENTS

480+ DSA problems — solved across LeetCode and Codeforces (Specialist)

Runner-up, HackVerse 2025 — campus-wide 36-hour hackathon among 84 teams