Cody Vachon

Aspiring Software Engineer & Data Analyst

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Summary

A data-driven and logical problem-solver transitioning from a high-stakes critical care career to software engineering. My background as an ECMO Specialist has honed my ability to manage complex, real-time systems, perform under pressure, and apply precise, protocol-driven procedures. With a recent education in computer science and applied mathematics, I am equipped with a strong foundation in algorithmic design, data analysis, and software development, making me an ideal candidate for an entry-level software engineering or data analyst role.

Technical Skills

Category	Details
Languages	Python, C++, SQL, HTML5, CSS3, JavaScript
Concepts	Algorithmic Problem-Solving, Data Structures
Frameworks & Tools	Django, Git, GitHub, Linux, SQLite
Methodologies	SDLC, Agile, Software Testing & QA

Projects

Full-Stack Portfolio & Resume Website
- **Features:** Custom backend for content management, responsive design for optimal user experience on any device.
- **Demonstration:** Showcases full-stack architecture, database management (SQLite), and RESTful design principles.

Course Planner with Binary Search Tree
- **Features:** Implemented a binary search tree (BST) for efficient data storage and retrieval.
- **Demonstration:** Highlights skills in file parsing, algorithmic analysis (Big O notation), and leveraging data structures for optimized performance.

Education

Bachelor of Arts in General Studies, IT minor Applied Mathematics
Southern New Hampshire University | 2025

Associate of Science in Computer Science
Southern New Hampshire University | 2025

Associate of Science in Respiratory Therapy
Southern Maine Community College | 2017

Experience

Respiratory Therapist/ECMO Specialist
Portsmouth Regional Hospital |
July 2024 - Present

Respiratory Therapist/ECMO Specialist
Tufts Medical Center |
August 2017 - June 2024

Visit my portfolio
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