

Dara Odukoya

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EDUCATION

Rice University

Jan 2026- Expected May 2029

B.A. Computer Science, Economics

Relevant Coursework: Computational Problem Solving, Technology Ethics, Calculus I

TECHNICAL SKILLS

Programming Languages: Python, C, HTML/CSS, SQL, R

Frameworks and Development Tools: Microsoft Suite(Word, Excel, PowerPoint), Canvas LMS, Github, Git, VS Code

PROFESSIONAL EXPERIENCE

Worldstrides | Live Instructor & Canvas Lead

June 2026 - July 2026

- Served as the primary technical support contact for 40+ students daily, troubleshooting Canvas, Zoom, software compatibility, and login issues during live instruction.
- Maintained Canvas course pages and instructional materials while supporting instructors with classroom technology and day-to-day course logistics.
- Coordinated scheduling, overtime requests, and day-to-day communications with the teaching team while balancing course prep and live instruction
- Reviewed and responded to student feedback forms, handling concerns with discretion

PROJECTS

MLB Win Prediction Model

2026

- Predicted MLB season win totals for 30 teams using Least Squares and LASSO regression models trained on 46 years of historical data (1954-2000); LASSO with $\lambda=10,000$ achieved the lowest test MSE of 91.65 on 2001-2012 data, outperforming Least Squares (MSE: 93.74) by reducing overfitting through weight sparsity

QR Code Error Correction Engine

2026

- Implemented Reed-Solomon error correction for QR codes in Python using GF(256) finite field arithmetic, building an immutable Polynomial class with addition, subtraction, multiplication, and polynomial long division operations to generate error correction bytes from encoded message data

LEADERSHIP

Ambassador, Rice University Doerr Institute for New Leaders

2026

- Completed a semester of 1-on-1 professional coaching with an ICF-certified coach, identifying and developing key leadership competencies including assertiveness and stress tolerance
- Selected to serve as a Doerr Leadership Ambassador, supporting and promoting leadership development opportunities for fellow students

ORGANIZATIONS

National Society of Black Engineers(**NSBE**), Society of Women Engineers(**SWE**), Rewriting the Code(**RTC**), AWS Cloud Club at Rice, Women in CyberSecurity