

Daniel M. Regan

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dreegs.com

EDUCATION

Merrimack College - School of Engineering and Computational Sciences
Master of Science, Computer Science
Concentration in Software Engineering

North Andover, MA
Expected December 2025

Columbia University - Columbia College
Bachelor of Arts, Biology
Division I Student-Athlete - Baseball

New York, NY
May 2022

Courses: Foundations of Programming, Algorithms and Discrete Structures, Advanced Algorithms, Calculus I, Statistics

TECHNICAL SKILLS

Proficient: Python, JavaScript, HTML/CSS, React.js, VS Code

Intermediate: Git, GitHub, Node.js

Familiar: MongoDB, MySQL, R, EJS, TypeScript

PROJECTS

League.me

November 2024-Present

Typescript, JavaScript, Node.js, React.js, MongoDB, EJS

- Engineered a full-stack web application for creating, managing, and following pick-up sports leagues.
- Features enable users to create leagues, add teams and players, input game scores, and track player performance.
- Integrated dynamic league standings, schedules, top scorer rankings, and statistics using RESTful APIs.
- Leveraged MongoDB for database management to ensure scalability and efficiency.

Banking Simulator

October 2024

Python

- Developed a terminal-based application for banking operations as a final project, earning 330/300 points.
- Built functionality for opening accounts with secure randomization of account numbers and PINs.
- Programmed transactional operations with robust error handling and PIN-protected security measures.
- Optimized code efficiency and ensured maintainability by adhering to object-oriented programming principles.

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January-March 2024

JavaScript, CSS, HTML, React.js

- Designed and deployed a responsive personal portfolio website to highlight technical skills and projects.
- Implemented an intuitive user interface leveraging React.js and CSS flexbox for a seamless user experience.

PROFESSIONAL EXPERIENCE

Meddeas, Colegio de Fomento Tabladilla

Seville, Spain

7th Grade English Teacher and School Speaker

September 2024-Present (40 hours per week)

- Teaching English to a class of 12 C1-level Spanish students who are learning English as a foreign language.
- Writing syllabi, lesson plans, exams, assignments, and projects that align with international English standards.
- Delivering personalized speaking lessons and targeted Cambridge English exam practice to over 460 students.

Get Outdoors Nevada

Las Vegas, NV

Education Program Fellow

October 2022-August 2024 (40 hours per week)

- Spearheaded a marketing strategy for a \$20,000 grant focused on reallocating resources to underserved teachers.
- Led our virtual programs, engaging over 500 underrepresented students in environmental science initiatives.
- Designed and facilitated 90+ lessons and field trips for K-5, driving engagement through interactive learning.
- Co-managed social media content, increasing reach to 15,000+ people through newsletters and creative posts.
- Developed and launched three new curriculum programs, adopted across the organization for a broader impact.