

# Daniel M. Regan

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[dreegs.com](https://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: Algorithms and Discrete Structures, Advanced Algorithms, Foundations of Programming, Calculus I, Statistics*

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, HTML/CSS, R  
**Frameworks:** React.js, Node.js  
**Databases:** MongoDB, MySQL  
**Development Tools:** Git, GitHub, VS Code, EJS

## PROJECTS

### Sports League Manager

[View Source Code](#)

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

November 2024-Present

- 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

[View Source Code](#)

Python

October 2024

- Developed a terminal-based banking application with functionalities for account creation and transactions.
- 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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JavaScript, React.js, CSS, HTML

January-March 2024

- 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

- 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

- 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 3 new curriculum programs, adopted across the organization for a broader impact.