

Adrian Rodriguez

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EDUCATION

Rensselaer Polytechnic Institute - Troy, NY

August 2020 - May 2024

- Bachelor of Science: Computer Science
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RELEVANT COURSEWORK

Data Structures and Algorithms, Introduction to AI, Computational Vision, Computer Organization, Foundations of Computer Science/Discrete Mathematics, Multivariable Calculus and Matrix Algebra, Differential Equations

RELEVANT EXPERIENCE

github.com/typicaladrian

Developer of the Soundscape Authoring Tool (in partnership with Soundscape Community)

September 2023 - May 2024

Open Source Contribution

- **Technologies:** React, Tailwind CSS, Django (Python), PostgreSQL
- Worked with a group of 4 to design a trail-building tool to allow individuals and communities to create trails and paths with auditory guides for different locations.
- Analyzed and adapted to a large-scale, previously owned source code, and showcased an understanding of the codebase by creating proper documentation and developer onboarding resources.
- Met the needs of the project's consortium and strengthened skills such as proper communication with software engineers and project teammates worldwide.

Developer of the "Gerald B.H. Solomon Saratoga National Cemetery" Official Website

September 2022 - May 2023

Open Source Contribution

- **Technologies:** WordPress (CMS), Next.js, Vercel
- Worked with a group of 5 to design and develop a modern, sleek, and reactive website with Search Engine Optimization (SEO), fast page rendering, and a user-friendly design.
- Developed soft skills such as communication with a client, and designing website demos & wireframes.
- Strengthened hard skills such as UX/UI experience, website design, E-Commerce, and security, as well as making a website easily maintainable for the client.

Data Structures - Rensselaer Polytechnic Institute

Spring 2022

Completed Course

- Demonstrated and reinforced knowledge of data structures and their representations
 - Data abstraction and internal representation, sequences, trees, binary search trees, associative structures; searching and sorting, generic algorithms, iterative and recursive algorithms.

Database Systems - Rensselaer Polytechnic Institute

Fall 2023

Completed Course

- Developed skills in modern database systems, with an emphasis on relational systems.
 - Database design, database system architecture, SQL, normalization techniques, storage structures, query processing, concurrency control, recovery, security, and new directions such as object-oriented and distributed database systems.
 - Gained hands-on experience with commercial database systems (PostgreSQL, MySQL).
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WORK EXPERIENCE

linkedin.com/in/rpiarodriguez/

SDET (Software Development Engineer in Test) Intern, Gilbarco Veeder Root - Simsbury, CT

June 2023 - August 2023

- Led a team of 5 to design and develop a cost-effective solution to ongoing hardware and software limitations the QA team had previously employed, enabling a software development team of over 30 employees to work remotely, ultimately increasing productivity and workflow.
 - Strengthened soft skills such as communicating with the team to learn weaknesses of previous solutions, using the Scrum agile team collaboration framework, and researching and presenting a range of solutions before the implementation stage.
 - Gained experience in computer networking in regards to secure serial communications over Ethernet compatible with proprietary software and hardware.
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EXTRACURRICULAR EXPERIENCE

Member of Rensselaer Center for Open Source

September 2022 - May 2024

Member of Society of Hispanic Professional Engineers

August 2021 - May 2022

SKILLS

Programming: Python, JavaScript, C++, C, SQL, HTML/CSS, MIPS Assembly

Frameworks: React, Next.js, Express, Node, Gatsby, Django

Tools: Git, MongoDB, PostgreSQL, MySQL, LaTeX