John C. Egnatis

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EDUCATION

UNIVERSITY OF TEXAS AT DALLAS
GPA 3.934
Bachelor's Computer Science (Graduate 2023)

L'SPACE NPWEE ACADEMY
Spring 2022
NASA-run academy training college undergraduates in writing innovative proposals

SKILLS

Programming languages: Java, JavaScript, MIPS, HTML, CSS, Python, C/C#/C++
Technical Skills: React.js, Node.js, .Net Framework (learning)
Coursework: Computer Architecture, Data Structures and Algorithms, Computer Science 1, 2, & 3, Probability and Statistics, Software Engineering, Systems Programming in UNIX and Other Environments, Advanced Algorithm and Design Analysis, Discrete Math

PROJECTS

Portfolio Website ....*January 2022*
Developed a web application to act as a personal portfolio using the React.js framework. I designed the UI with the help of the Tailwind CSS, and I deployed the website with the help of GitHub Pages. My portfolio implements concepts such as routing to multiple pages, conditional rendering, and components.

Resume Filter *(Hackreason 2022)* ....*January 2022*
Developed an AI solution with my team to assist companies in automated resume filtering. Based off certain credentials, the solution was able to decide who deserves a chance at an internship. We created the solution in Prolog and further tested and displayed with the help of s(CASP). My team's solution was among the finalists at Hackreason 2022.

Falling Asteroids 2D JavaScript game ....*December 2021*
Developed a 2D JavaScript game using canvas. The JavaScript source code implements random generation of objects, hitbox buffers, and object-oriented programming.

Computer Science Calculator in Assembly Language ....*November 2021*
Programmed a project in MIPS to engineer the process of converting numbers from one base system to another. I was able to apply strong coding practices for assembly languages such as protecting the scope of variables, creating meaningful procedures, support for error handing and input variation, and strong documentation. The calculator supports up to 32-bit calculations (2s complement) and currently supports binary, decimal, and hexadecimal calculation.

LANGUAGES

- English (native)
- Spanish (learned to conversational fluency)