

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, TypeScript, HTML, CSS, C/C#/C++,

Technical Skills: React.js, Node.js, Tailwind CSS, APIs, UNIX

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

NHL Stats App *February 2022*

Developed a web application to display real time statistics of the National Hockey League. Utilizes TypeScript, Tailwind CSS, and dynamic API calls to fetch current data, and error handling for API call misses. Best Practices implemented to create maintainable and reliable code. Website makes over one-thousand API calls.

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. Developed in Prolog and further tested and displayed with the help of s(CASP). Scored among the finalists at Hackreason 2022.

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. Applied strong coding practices for assembly languages such as protecting the scope of variables, creating meaningful procedures, support for error handling and input variation, and strong documentation. Supports up to 32-bit calculations (2s complement) for binary, decimal, and hexadecimal numbers.

LANGUAGES

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