

Jonathan Uriel Torres-Tomas

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EDUCATION

Duke University

Durham, NC

Bachelor of Science

May 2026

Double Major: Computer Science, Economics; Minor: Japanese

Honors: QuestBridge National College Match Scholarship (Full Tuition), Golden Door Scholarship (Full Tuition)

Relevant Coursework: Intermediate Microeconomics, Data Structures and Algorithms, Intro to Computer Systems, Multivariable Calculus, Practical Financial Markets

RESEARCH AND ACADEMIC PROJECTS

Portfolio Website – Durham, NC

Summer 2023

- Created a personal portfolio website using a combination of Figma, HTML, CSS, and JavaScript
- Coded and tested to ensure it works on all platforms including PCs, laptops, mobile devices, and browsers

Autocomplete Algorithm – Durham, NC

Spring 2023

- Implemented HashMap and Binary Search data structures to design an algorithm that suggests completions to the user typed text based on their predetermined weight, with the term with the most weight being shown first
- Benchmarked and analyzed the runtime and space tradeoff between these two implementations using data containing more than 2 million terms

File Compression/Decompression – Durham, NC

Spring 2023

- Implemented Huffman's algorithm to compress and decompress digital data using a variety of methods such as priority queue, I/O classes, and recursion to construct a tree for data encoding
- Successfully compressed up to 45% of data on txt and jpeg files

EXPERIENCE

Duke University Code + Internship

Durham, NC

Software Developer

May 2023 – August 2023

- Redesigning the UI, layout, and user experience of academicjobsonline.org, which is used by more than 160,000 users and 1000s of institutions in over 75 countries
- Created designs, wireframe, and brand guide in collaboration with the development team using Figma
- After designing, brought those visions to life utilizing HTML, CSS, JavaScript, and React

LEADERSHIP AND OTHER ACTIVITIES

Duke Real Estate Club, Member – Durham, NC

August 2023 – Present

- Learning more about the different types of real estate investing, their pros and associated risks
- Training to become a Duke Real Estate Club Analyst through their five week training session

Duke University Marching Band, Band Member – Durham, NC

August 2022 – Present

- Learned my drill and music quickly and efficiently. Worked with others to continuously improve everyday

Duke Latinx Business Organization, Member – Durham, NC

August 2022 – Present

- Attended meetings and workshops where I met and networked with guest speakers from sectors ranging from software development to finance, gaining insights, tips, and knowledge on their sectors along the way
- Worked on improving my resume and various soft skills needed to land and ace interviews

Duke University Experiential Orientation, Orientation Leader – Durham, NC

August 2023 – August 2023

- Worked on logistics, scheduling, and programming to ensure orientation week went smoothly and efficiently
- Led a group of incoming freshman through activities, talks, and programming. Guided them each step of the way, answered questions, and shared experiences to ensure they slowly acclimated to the college and Duke life

Senior Class President, President – Hendersonville, NC

August 2021 – June 2022

- Worked in collaboration with the senior class and school faculty to create, plan, and lead school wide events, fundraisers, and raise school spirit. Actively gathered feedback from others in all grade levels
- Attended monthly meetings with county and state officials to discuss what we had been working on that month, recent events, and our plans for the future such as planned school fundraisers and upcoming conferences

SKILLS AND LANGUAGES

Computer/Technical: HTML (Advanced), CSS (Advanced), Java (Advanced), JavaScript, React, Microsoft Office Products (Advanced), C (Advanced)

Languages: English (Native), Spanish (Native), Japanese (Proficient)

My Diversities: First Generation College Student, Immigrant, Race/Ethnicity (Hispanic or LatinX)