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

DFE Corporate Valuation Competition – Durham, NC   Fall 2023
- Engaged in a comprehensive valuation exercise as part of a high-stakes competition, performing in-depth analyses including trading comparables, precedent transactions, discounted cash flow analysis, and LBO analysis
- Evaluated potential options for maximizing long-term returns for current shareholders including selling or merging with industry peers and carrying out a leveraged buyout with the guidance of a financial sponsor

BlackRock Asset Allocation Competition – Durham, NC   Fall 2023
- Worked with a team in the strategic allocation of assets for a new portfolio, aiming to achieve optimal returns and minimize volatility utilizing BlackRock's Total Portfolio Workbench
- Constructed a well-balanced investment strategy, optimizing asset allocation and assessing macroeconomic risk exposure which required a comprehensive understanding of market dynamics

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
- Brought designs, and visions to life utilizing a combination of HTML, CSS, JavaScript, and React
- Finally, implemented the front-end designs with the existing back-end written in Perl

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
- Actively 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, working with others to continuously improve everyday

Duke Latinx Business Organization, *Member* – Durham, NC   August 2022 – Present
- Attending meetings and workshops where I meet and network with guest speakers from sectors ranging from software engineering to finance, gaining insights, tips, and knowledge regarding their fields 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

SKILLS AND LANGUAGES

Computer/Technical: HTML (Advanced), CSS (Advanced), Java (Advanced), JavaScript, C (Advanced)
Languages: English (Native), Spanish (Native), Japanese (Proficient)
My Diversities: First Generation College Student, Immigrant, Race/Ethnicity (Hispanic or LatinX)