

Kanwarpartap Singh Brar

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EDUCATION

Hofstra University - Hempstead, NY | *Bachelor's Degree in Mathematical Economics & minors in Computer Science & Computer Engineering*

EXPECTED May 2024

GPA: 3.34

Relevant Coursework - Econometrics, Analytic Geom & Calc III, Discrete/Data Structures, Computer Architecture, Python & C++, Digital Circuits, Microprocessor Systems, Embedded Systems, Matrix Algebra

WORK EXPERIENCE

Morrison Mentors - Hempstead, NY | *Teacher & Mentor*

June 2022 - Present

- Taught, facilitated, and implemented STEM Education for middle school and high school students, specifically teaching courses focused on coding & aerospace engineering
- Created lesson plans for 5+ classes with approximately 15-25 students to support STEM-based learning (ex. Arduino programming & programming Tello drones with Python)
- Improved student knowledge and performance by approximately 25% from the beginning of the program to the end

Hofstra CSA Student Aid - Hempstead, NY | *Student Aid*

June 2022 - March 2023

- Managed projects and campus events in the commuter student association offices
- Led orientation events for 400+ incoming freshman

Enrich Scholars - Hempstead, NY | *Campus Ambassador*

July 2022 - May 2023

- Participated as a scholar in the Enrich Program, engaged in career coaching, interview preparation, and networking opportunities to increase career knowledge
- As a brand ambassador, introduced 20+ Hofstra students to Enrich Scholars over the span of 5 weeks
- Led networking events on campus with different organizations (Led 3 events in the spring of 2023)

United Wine & Liquor - Woodside, NY | *Administrative Assistant*

August 2022 - June 2023

- Organized and processed thousands of dollars of inventory through Excel sheets
- Helped with social media marketing and in-store tastings with brand ambassadors

SKILLS/PROJECTS/RESEARCH

Technical Skills: Microsoft Suite, HTML5, CSS, Python3, CircuitVerse, Logism, Arduino, Mathematical/Economic Modeling, TinkerCAD, NearPod, Programming with drones, STATA, Assembly Language (HCS12), Jupyter Notebooks, VS Code, MiniIDE, Tableau

Certifications: Microsoft Office Specialist: Excel, IBM Data Science Professional Certificate, MOSH HTML5 & CSS3 Series certification

Languages: English (Fluent), Punjabi (Proficient), Hind/Urdu (Conversational)

Project/Research: Conducted research on the real estate housing market. "Does Size Matter: An Estimation of the Relationship Between Size & House Prices in Nassau County"

COMMUNITY INVOLVEMENT

180Degrees Consulting: Analyzed statistical data to create a presentation deck for the Dean of Hofstra Law School

Sikh Student Association (SSA): Treasurer and co-founder of the first Sikh-based organization on campus