Christopher Bravo

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Project Portfolio: christopher-bravo-ibanez.github.io

EDUCATION

Georgia Institute of Technology   **Anticipated Graduation December 2024**

M.S. Computer Science (Specialization in Machine Learning)
- **Relevant Coursework:**, Analytics Modeling, Deep Learning, Machine Learning, Network Science, Machine Learning for Trading, Database Systems and Design, Modeling and Simulation for Military Gaming, Graduate Algorithms

Brown University   Graduated 2022

B.A. Applied Math, B.A. Cognitive Neuroscience (Specialization in Computation), 3.90/4.00 GPA
- **Honors:** Sigma Xi, The Scientific Research Honor Society
- **Relevant Coursework:** Honors Statistical Inference, Computational Probability, Data Science, Machine Learning, Deep Learning, Operations Research, Data Structures and Algorithms

PROFESSIONAL EXPERIENCE

DraftKings, Boston, MA

Senior Analyst, Workforce Planning   February 2024 - Present
- Developed staffing ratios for Engineering department by analyzing internal data and external benchmarks in partnership with Engineering leadership. Staffing ratios are regularly utilized to inform business case headcount requests.
- Built Montecarlo graph simulation to forecast multi-year savings opportunity based on organizational and attritional trends, improving previous methodologies' accuracy by ~40%.
- Formulated a historical-based vacancy rate metric to be incorporated in financial compensation projections.
- Conducted correlation analysis between attrition and stock price to inform equity planning and improve attrition forecasting.

Analyst, Workforce Planning   June 2022 - February 2024
- Designed pricing tool for FP&A and Workforce Planning teams to simulate headcount changes' impact on in-year and exit rate compensation budget for business requests.
- Developed methodology for forecasting global fringe and benefits costs by compiling historical payroll data and salary expense projections.
- Conducted assessment of IT Freshservice ticket data to identify staffing ratios for Desktop Support team.
- Consulted People Analytic's team on how to redesign employee and requisition data warehouse for position management Workday migration.

Shenhav Lab, Providence, RI

Research Assistant   February 2020 - January 2022
- Conducted undergraduate research study that investigates how rewards influence attentional control networks.
- Responsibilities included front-end development of cognitive tasks in Javascript/HTML/CSS, building regression analyses in Matlab, and coordinating meetings with lab members to present methods and findings.

UBS, Westport, CT

Wealth Management Summer Analyst   June 2020 - August 2020
- Forecasted client's portfolios using internal Montecarlo software.
- Presented quarterly portfolio analysis to clients and highlighted potential portfolio risks.
- Compiled catalogue of portfolio types that would be used to analyze client trends and manager performance.

PROJECT PORTFOLIO

Database Project: Online Education Platform Web Application   August 2023 - December 2023
- Developed a CRUD web application to facilitate online learning, as a progression from Database Systems and Design coursework. Utilized Node.js and React for the frontend and SQL for backend database management.
- Enabled core features including user course registration, content review and streaming, practice tests, and progress tracking across sessions.

Byte-Sized Insights,   March 2023 - June 2023
- Writer for Byte-Sized Insights, a Medium publication exploring the impact of language models on the technology sector.

Linear Programming Project: Hiring Scheduler   December 2022 - January 2023
- Developed and designed a shift scheduling web-based interface using Flask to optimize assignments based on worker preferences, balancing staffing demands with cost considerations, including overtime payments.

SKILLS & INTERESTS

Technical SQL, Python, Flask, Javascript, HTML/CSS, React, Node.js, R
Language: Working proficiency in Spanish
Interests: Watches, reading, driving, skiing, basketball