MADISON LAPRISE

+1 (860) 258-9839 | madison.laprise@yale.edu | linkedin.com/in/madison-laprise | github.com/madisonlaprise

SUMMARY

Driven Yale senior pursuing 2025 post-graduation role. Strong background in data science, research, and consulting.

- **Skills***:* Programming, Statistical Analysis, Machine Learning, Natural Language Processing, Graphic Design
- **Tools***:* Python, R, Microsoft Power BI, Excel, GitHub, Google Colab, Canva, Procreate, Google Sites, Wix

EDUCATION

Yale University, New Haven, CT — May 2025
BS in Cognitive Science (GPA: 3.77; Psi Chi Honor Society)
Yale Artemis (President), Times New Roman Student Magazine (Head Editor), Dwight Hall Summer Fellow, ASL at Yale

iXperience, *Data Science & Artificial Intelligence Bootcamp,* Cape Town, South Africa — June 2024

Universidad de las Américas, *Spanish Immersion,* Quito, Ecuador — July 2023

PROFESSIONAL EXPERIENCE

Data Analyst Intern, *VoxCroft Analytics,* Cape Town, South Africa — June 2024

- Spearheaded team of 5 interns in analyzing 50,000 articles to derive insights for intelligence operations
- Attained 99% accuracy in a name disambiguation model, reducing data complexity by 55%
- Built an AI-driven system leveraging Wikidata and OpenAI API to identify and produce detail-rich entity profiles
- Discovered highly salient features for entity recognition, achieving 79% accuracy in a parametric model

Grants Consultant, *Elena's Light,* New Haven, CT — February 2022 – September 2022

- Secured $5000 in non-profit funding, allowing for a 30% increase in enrollment for the Refugee ESL Program
- Streamlined 5 years of documentation into a single database, reducing grant application time by 50%

IT Intern & Student Liaison, *Bristol Board of Education,* Bristol, CT — September 2019 – August 2021

- Achieved 100% operational readiness in 800 district devices; executed diagnostics and validation
- Published 150+ page school reopening plan in 2 months as a member of the COVID-19 Reopening Committee

RESEARCH & PROJECT EXPERIENCE

Senior Thesis in Network Analysis, *Yale Affect Regulation and Cognition Lab* — August 2024 – Current

- Lead a 30-page independent thesis study including analyzing data, constructing models, and writing all findings
- Utilize Python and R to map symptom networks and predict changes in depression and social anxiety
- Author an additional peer-reviewed publication, set for journal release in Spring 2025

Chronic Disease Indicator Analysis, *CPSC 110* — September 2024 – December 2024

- Used predictive modeling and CDC Chronic Disease Indicator Data to identify key predictors of disease
- Created interactive visualizations to illustrate regional health profiles
- Built a website (Google Sites), presented a research poster, and authored a 12-page final report to share findings

Patient Flow Insight Tool, *Yale Psychosis Risk (PRIME) Clinic* — September 2024 – November 2024

- Automated patient flowcharts in Power BI; visualized treatment paths of psychosis patients across 5 clinics

Heart Disease Risk Modeling, *iXperience* — June 2024

- Engineered a supervised machine learning model that achieved 89% accuracy in predicting heart disease

Sustainability Research Project, *Universidad de las Américas* — July 2023

- Created risk profiles of communities facing pollution via collection and analysis of 80+ interviews and field samples