

CORENTIN R. VERGNOLLE

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EDUCATION

University of California, Santa Barbara Honors Program

Class of 2024

- **Double Major:** Economics & Accounting and Statistics & Data Science
- **GPA:** 3.61
- **Relevant Coursework:** Python, R, Regression Analysis, SAS, Computer Vision, Data Visualization, Econometrics, Financial Analysis, Probability and Statistics, Calculus, Machine Learning
- **Online Course Certificates:** Coursera Machine Learning Specialization, Kaggle Advanced SQL, Kaggle Computer Vision, Udemy Storytelling with Data Visualization

PROFESSIONAL EXPERIENCE

The Chemours Company

Remote

Data Analyst Intern

March 2024 – August 2024

- Presented comprehensive analytical findings to upper management, and globally disseminated findings to individual teams, facilitating data-driven decision-making and strategic planning initiatives.
- Executed end-to-end data analysis on a dataset of 100,000+ tickets, implementing advanced visualization techniques utilizing Power BI/SQL, and optimizing performance for an improved user experience.
- Integrated customer satisfaction comments into analytical frameworks, employing a large language model (LLM) to extract actionable insights.

PricewaterhouseCoopers (PwC)

Los Angeles, CA

Audit Intern

June 2023 – August 2023

- Utilized Tableau and Alteryx to reduce the time required for financial data review by 15% by collaborating with senior auditors to streamline the analysis process for the entire audit team.
- Conducted substantive testing and analysis on significant line items, identifying misstated SG&A expenses.
- Developed and implemented Black-Scholes models, resulting in a precise valuation of stock option packages, minimizing valuation errors by 18%.

Servpro

Irvine, CA

Accounting Intern

June 2022 – August 2022

- Processed an average of 50 expense reports, and 100 customer receipts and managed employee payroll bi-weekly, ensuring timely and accurate financial transactions.
- Prepared and documented journal entries for unique transactions, ensuring compliance with accounting standards for 20+ specialized transactions.
- Implemented QuickBooks automation, reducing overall processing time by 20%.

PROJECTS

Future Gold Price Prediction - R

- Conducted EDA, feature engineering, cross-validation, and tuning to create a model that accurately predicts changes in the price of gold in the next 24 hours using 15+ different predictors and ML models.
- Scraped and cleaned data from dozens of sources to compile a dataset comprised of economics indicators, lag variables, and other calculated variables that aided in predicting our target variable.
- Applied time-series analysis models and independent-observation models to approach the project in two separate ways, achieving the lowest mean RMSE of 19.5 on a range of values scaling from 1625 to 2375+.

College Football Revenue Prediction - Python

- Built a revenue prediction model for college football teams by stacking LightGBM with a neural network.
- Automated collection of data from over 100 online sources, covering all active college football programs.
- Conducted time value analysis to assess if UCSB would benefit financially from starting a football program.

SKILLS & INTERESTS

Hard Skills: French Bilingual, Python, Power BI, PowerPoint, R, Excel, Machine Learning, SAS, SQL

Soft Skills: Leadership, Communication, Public Speaking, Project Management, Adaptability, Work Ethic

Interest: Surfing, Camping, Swimming, Cycling, Running, Golfing, Weightlifting, Pickleball, Travelling