

# R. Michael Wenner

Delanco, NJ

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<https://github.com/mikewenner>

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## SUMMARY

Results-driven quantitative professional with a strong background in engineering, finance, and project management. Experienced in fast-paced environments requiring collaboration, communication, and attention to detail. Skilled in quantitative investment analysis, portfolio optimization, and data visualization. Seeking a position in data science & engineering to leverage technical, analytical, and leadership skills.

## TECHNICAL SKILLS & HIGHLIGHT OF QUALIFICATIONS

- Programming: Python, NumPy, Pandas, Scikit-Learn, TensorFlow, Keras, SQL, R & R-Studio.
- Data Visualization: OpenBB, Matplotlib, Seaborn, Plotly, Bokeh, Tableau, Streamlit.
- Development Tools: Jupyter Lab, VS Code, GitHub, PostgreSQL, pgAdmin.
- Blockchain: Solidity, Remix IDE, Ganache, Open Zeppelin.
- Financial Markets: Portfolio management, Options strategies (methodologies & greeks).
- Certification: FINRA Securities Industry Essential (SIE) exam December 2022.
- Civil Modeling Software: AutoCAD, Autodesk Civil3D, Trimble Business Center, Carlson Survey.
- Bachelor of Science, Chemical Engineering, Drexel University.
- Professional Certificate, FinTech, Rutgers University.
- Current student MSc Data Science, Eastern University, anticipated completion Dec 2024

## PROJECTS

**Machine Learning w/Python** | GitHub: [https://github.com/mikewenner/Supervised\\_ML\\_CreditRisk](https://github.com/mikewenner/Supervised_ML_CreditRisk)

- **Summary:** This project utilized Python & Scikit-Learn to build & evaluate a predictive model that determines the creditworthiness of potential borrowers. Logistic regression models were built on an imbalanced dataset of healthy and high risk loans.
- **Project Keynotes:** This project fostered learning on both supervised machine learning and working with a large imbalanced dataset. A key takeaway was the importance of addressing the imbalanced dataset and subsequent impact on model performance. Utilizing SciKit-Learn and Imblearn allowed for the logistic regression models to be constructed, analyzed and compared in determination of a final model recommendation.
- **Tools & Languages:** Python, Pandas, Numpy, SciKit-Learn, Imblearn & GitHub

**Cluster Portfolio Analysis** | Github: [https://github.com/mikewenner/Cluster\\_Portfolio\\_Analysis](https://github.com/mikewenner/Cluster_Portfolio_Analysis)

- **Summary:** This project took a deep dive into a portfolio of 35 stocks & employed numerous avenues of analysis including composition interaction, benchmark comparison & risk adjusted return analysis as well as valuation examination.
- **Project Keynotes:** The project highlights both the OpenBB SDK and the Riskfolio library as powerful analytical tools kits to access and analyze vast amount of stock related data.
- **Tools & Languages:** Python, OpenBB SDK, Pandas, Riskfolio-lib & GitHub

**ETF Exploration with Python & OpenBB** | Github: [https://github.com/mikewenner/ETF\\_Exploration](https://github.com/mikewenner/ETF_Exploration)

- **Summary:** The primary focal point of this project is the use of the OpenBB SDK in Python. The project utilizes the DIA ETF as a case to explore a small portion of the functionality of the SDK.
- **Project Keynotes:** This project highlights the ease of use of the OpenBB SDK, specifically when looking at drilling down into the vast amount of available data on the ETF & its components. Utilizing just a few of OpenBB's functions, one can quickly return and analyze numerous data rich and insightful Pandas data frames on all 30 stocks in the DIA.
- **Tools & Languages:** Python, OpenBB SDK, Pandas, & GitHub

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**PROFESSIONAL EXPERIENCE**

Cox Modeling &amp; Engineering, Crested Butte, Colorado

December 2017-December 2022

**Partner/Manager/Modeling Engineer**

- Achieved 30% year-over-year revenue growth for two consecutive years.
- Built 100+ 3D survey grade models for subdivisions and heavy highway projects.
- Developed SOPs, metrics, and operational targets to drive revenue and margins.
- Drove initiatives in company budgeting, project management, and subcontractor coordination.

Eleven Experience, Crested Butte, Colorado

November 2015 – April 2019

**Guide**

- Managed groups of ten+ clients, ensuring safety and satisfaction during backcountry trips.
- Contributed to avalanche risk management (blasting & mitigation) and snow safety assessments.
- Responsible for daily am/pm avalanche forecasting meetings, snow stability analysis and operational avalanche hazard assessment.

Edward Jones Investments, South Burlington, Vermont

June 2014-June 2015

**Financial Advisor**

- Provided goal-oriented financial advice to clients, assisting in achieving long-term objectives.
- Conducted periodic reviews and optimizations of investment portfolios.
- Delivered exceptional personalized service to ensure client satisfaction

Pete Czaja Carpentry, Underhill, Vermont

June 2010-Dec 2013

**Builder/Developer**

- Managed material procurement and delivery to meet strict time constraints.
- Demonstrated proficiency in all types of carpentry, including rough framing, finish carpentry, and trim work for residential new construction and remodeling.
- Executed various woodworking projects, such as cabinets, bathroom vanities, tables, and built-ins using a variety of wood species.
- Assisted in scheduling and overseeing subcontractors, ensuring timely completion of custom-built homes and remodeling projects

Avatar Energy, South Burlington, Vermont

May 2008 – June 2010

**Engineering Manager/Process Engineer**

- Managed a small engineering group, setting priorities and timelines for project milestones.
- Developed process flow diagrams and supervised projects for multiple anaerobic digester systems.
- Directed and supervised projects at the pilot system including plumbing upgrades, pump sizing and installation, major equipment installation and various heat system upgrades.
- Coordinated project scope, timelines & subcontractors to ensure project deadlines & milestones.

**EDUCATION**

RUTGERS UNIVERSITY

**Professional Certificate, FinTech Program**

Dec 2022 - June 2023

-A 24-week intensive program focused on obtaining essential technical programming skills in Python, Algorithmic Trading, Machine Learning and Blockchain.

DREXEL UNIVERSITY, Philadelphia, Pennsylvania

**Bachelor of Science, Chemical Engineering**