

## THOMAS McDOWELL

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### Summary

Visionary Enterprise Efficiency Director with a B.S. in Physics from Rowan University, MBA from Alvernia University and FinTech Certificate from the University of Pennsylvania. Focused on bringing a unique set of academic skills, personal insights, and professional experience into designing and driving quality innovation in economic technology and investment profitability. Skilled in Python, SQL, data analytics and fundamental & technical analyses of both crypto and fiat markets. Diverse professional experience includes project development & execution, high-level communication within a corporate structure, and client interaction in various settings and formats. This combination of acute technical abilities and multifaceted interpersonal skills make me a broadly adaptable, teachable, and invaluable part of any professional team or project.

### Technical Skills

**IDE:** JupyterLab | VS Code | GitBash

**Languages:** Python | SQL | Markdown

**Libraries:** Pandas | Matplotlib | PyViz | Plotly | Qiskit

**Areas:** Data Cleaning & Analysis | API | Blockchain | Statistical Modeling | Anomaly Scanning

### Projects

**KuCoin Exchange Report** | <https://github.com/tjmcowelldotcom/ResearchProject>

- Markdown project involving research into KuCoin's history, standing in the marketplace, and recommendations for future enterprises.
- Primary researcher and compiler for this project.
- Self-guided research written in Markdown language using VS Code.

**Crypto Index & Sector ETF Analysis** | <https://github.com/tjmcowelldotcom/PennGroupProject1>

- Retrieved OHLC data from KuCoin and Binance API for tokens to create a proposed "Crypto Index" to compare against other sector-specific ETFs. This project studied the market behavior of each identified sector compared to that of the market as represented by the index.
- Project leader; main code development and delegation of duties within the group of 4 contributors.
- Python code written in Jupyter Lab.

### Education & Credentials

**FinTech Bootcamp Certificate: University of Pennsylvania**, Philadelphia, PA - (In Progress)

**Master of Business Administration: Alvernia University**, Reading, PA - 2020

**Licensed Professional Counselor: License Number PC011498**, State Board SW, Pennsylvania - 2018

**MS Clinical Counseling: Neumann University**, Aston, PA - 2017

**BS Physics: Rowan University**, Glassboro, NJ - 2008

### Employment

**TJ McDowell LLC**

**2020-Current**

Multifaceted personality-branded small business focused on mental health counseling and personal consulting.

**Key Accomplishments:**

- Designed integrated platform for appointment scheduling, payments, and confidentiality-conscious video / audio counseling sessions.
- Sole Proprietor

## **Richard J Caron Foundation**

**2011-2020**

Promoted into several roles at a world class behavioral health treatment center during a career spanning nearly a decade.

### **Key Accomplishments:**

- Spearheaded alumni community app development initiative.
- Selected to build and maintain relations with alumni with high capacity for donorship.
- Regularly called upon to create & present lectures and speeches to the inpatient population as well as broader interested communities outside of the organization.