

Mark Robertson

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PROFESSIONAL SUMMARY

Data Analyst with SQL, Excel, Tableau, and Python experience. Skilled in data cleaning, transforming, and analyzing datasets, dashboard creation, reporting, and supporting data-driven decisions. Combines quantitative training with practical experience in real-world data systems.

TECHNICAL SKILLS

SQL, Python (Pandas, NumPy, Matplotlib), Excel, Tableau, PostgreSQL/MySQL, JavaScript/React/Node.js, Git, Docker, Time-Series Analysis, Backtesting, KPI Reporting, Dashboards, Data Validation

PROFESSIONAL EXPERIENCE

- St. Albans Capital, LLC | Principal of Securities Trading** March 1996 - Dec 2022
Arbitraged HY/IG and EM bond mispricings while managing \$100M+ daily notional and maintaining high-volume financial datasets.
- Part-Time Software Developer & Driver | We Care Adult Care** June 2023 - Feb 2025
Built a React/SQL timecard app reducing payroll processing time by 80% [App Link](#)
- Phaz Music, Corp (Headphone Manufacturer) | CEO** June 2016 - Aug 2018
Oversaw global headphone production in Shenzhen and Hong Kong (Best of CES 2015)

Quant & Engineering Projects

- Statistical Arbitrage in Crypto - Being developed**
Capstone Project | Python, Pandas, NumPy, yFinance, Kraken API
Cleaned and validated large crypto datasets and performed historical trend analysis using Kalman-filtered spreads, Z-score signals, and ATR risk controls for a relative-value research strategy.
- TimeCard App (Production App)** [App Link](#)
Solo project | React, Node.js, SQL
Replaced paper workflows with digital system including validation and fast CSV exports.
- City Whisperer** [Front end Repo](#) | [Back end Repo](#) | [App Link](#)
Capstone Project | Project Owner | React, Node.js, OpenAI, PostgreSQL
AI-generated walking tours with mapping, async routing logic, and SQL sanitization.

Education

- Wall Street Quants - In Progress
Pursuit.org
Rutgers the State University of NJ - School of Business
University of Hertfordshire, UK
- Certificate in Quant Development
Certificate Full Stack Web Development
BS in Marketing
BA in Applied Art