

# 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

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

## Quant & Engineering Projects

<b>Statistical Arbitrage in Crypto - Being developed</b>	
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.	
<b>TimeCard App (Production App)</b>	<a href="#">App Link</a>
Solo project   React, Node.js, SQL	
Replaced paper workflows with digital system including validation and fast CSV exports.	
<b>City Whisperer</b>	<a href="#">Front end Repo</a>   <a href="#">Back end Repo</a>   <a href="#">App Link</a>
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	Certificate in Quant Development
Pursuit.org	Certificate Full Stack Web Development
Rutgers the State University of NJ - School of Business	BS in Marketing
University of Hertfordshire, UK	BA in Applied Art