# Chase Rapp

Data Analyst | Healthcare-Focused | Python | SQL | Machine Learning
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## PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with a strong foundation in Python, SQL, and machine learning, coupled with eight years of clinical experience as a chiropractor. Skilled at transforming complex datasets into actionable insights through statistical analysis, visualization, and a deep understanding of stakeholder needs. Known for being curious, methodical, and results-driven, with a passion for bridging healthcare and tech to improve decision-making, operational efficiency, and patient outcomes.

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## TECHNICAL SKILLS

Python · SQL · Excel · Power BI · Machine Learning · Data Cleaning · Visualization · Statistics · Critical Thinking

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## PROJECTS

### Video Game Sales Analysis (2025)

- Cleaned and transformed large global sales datasets using Python (Pandas) for accurate analysis.

- Built regression models to forecast sales trends and predict platform performance.

- Conducted exploratory data analysis to identify regional preferences and genre popularity.

- Summarized findings into clear, actionable insights supporting marketing and distribution strategies.

### Oil Investment Forecasting (2025)

- Analyzed historical oil well data applying linear regression and bootstrapping techniques to forecast ROI.

- Quantified uncertainty with confidence intervals to enhance risk assessment in decision-making.

- Developed data-driven recommendations identifying optimal investment regions for expansion.

- Presented complex results through concise visual summaries, simulating stakeholder pitch scenarios.

### Ore Recovery Analysis with Machine Learning (2025)

- Analyzed ore recovery across flotation stages using sMAPE to evaluate model accuracy and recovery efficiency.

- Identified trade-off between yield and purity, with higher recovery in the rougher stage and increased purity in the final stage.

- Chose **RandomForestRegressor** for its low error and stable performance, enabling accurate recovery predictions.

## EXPERIENCE

**Chiropractic Physician | Family Chiropractic Works | Ocoee, FL | 2016–2024**

- Utilized SilkOne EHR to manage patient data, analyze treatment outcomes, and support clinical decision-making.

- Analyzed treatment outcomes for over 1,000 patients to identify trends, streamline protocols, and personalize care.

- Designed and implemented patient intake process improvements using data flow mapping, reducing processing time by 25%.

- Developed educational materials based on common diagnostic trends, increasing treatment compliance by 30%.

**Customer Service Associate | Lowe's | Winter Garden, FL | 2008–2012**

- Supported customer service and product guidance in outdoor equipment.

- Identified product trends leading to improved inventory decisions.

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## EDUCATION

**TripleTen Bootcamp** — Expected October 2025
*Focus: Python, SQL, Exploratory Data Analysis, Business Analytics*

**Life University** — Doctor of Chiropractic, 2016, *Magna Cum Laude*

**University of Central Florida** — B.S. Premed Biology, 2012