

# Elizabeth Chin

[ecql-byte.github.io/](https://ecql-byte.github.io/) | (239) 919-4448 | [echin34119@gmail.com](mailto:echin34119@gmail.com) | [Linkedin.com/in/elizabethchin](https://www.linkedin.com/in/elizabethchin) | [github.com/ecql-byte](https://github.com/ecql-byte)

## Education

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### Dartmouth College, Hanover, NH

*Jun/2023 - Sept/2024*

Master of Science in Health Data Science

**Key Coursework:** Data Visualization, Data Wrangling, Machine Learning, Applied Biostatistics, Statistical Modeling, Statistical Learning for Big Data, Quantitative Investing with Python, Consumer Insights, Business NLP

### University of Pittsburgh, Pittsburgh, PA (Magna Cum Laude)

*Aug/2019 - Apr/2023*

Bachelor of Science in Health Informatics with a Minor in Statistics, GPA: 3.7/4

**Key Coursework:** Database Design, Data Analytics, Quality Management, Digital Health, EHR Systems, Statistics & Research Design, Database Systems

## Work Experience

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### Elevance Health, Las Vegas, NV (Remote)

*Jun/2022 - Aug/2022*

Medicaid Business Analyst (Internship)

- Worked on systems integration project unifying records for multiple providers
- Streamlined record keeping and monitoring of data for over 20,000 pediatric patients, identifying and correcting system errors
- Leveraging Microsoft Excel pivot tables to extract valuable data insights while following all regulatory policies and HIPAA guidelines
- Participated in meetings to evaluate operational challenges and develop strategies

## Projects

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### Tracking Sleep Movement Using Wearable Technology | R Programming

*Mar/2024 - May/2024*

- Data wrangling: aggregated CSV files, handled missing values with zero-inflation and median imputation.
- Applied autoregression and cross-regression analyses in R programming to compare wearable device data.
- Conducted spectral and wavelet analyses using R programming to identify oscillation trends in physical activity.

### Super Store EDA | Python

*Mar/2024 - May/2024*

- Performed exploratory data analysis (EDA) by wrangling the data to understand its impact on sales and profits.

### Pharmaceutical Drug Introductions and Stock Performance | Tableau

*Dec/2023 - Feb/2024*

- Created Tableau Dashboard to see the trends in new drug introductions, manufacturers, Wholesale Acquisition Cost (WAC), and their impact on stock prices.

### Tesla-Lucid Project | Python, PowerBI

*Sept/2023 - Nov/2023*

- Applied a machine learning model in Python to predict the stock price for Tesla and Lucid.
- Developed a PowerBI Dashboard to compare stock prices between Tesla and Lucid.

### UPMC Hospital's Ambulance Transfer Data Analysis | R Programming

*Feb/2023 - Apr/2023*

- Utilized R programming by wrangling University of Pittsburgh Medical Center data containing admission date, inpatient/emergency admissions, ambulance usage, and reasons for visit.
- Created a BI dashboard to visualize insights and trends of the data by using charts, graphs, and maps.
- Ensured compliance with HIPAA and PHI law to safeguard patient information.

## Skills

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**Languages:** Python, R(Programming), SQL, SPSS

**Framework:** Jupyter Notebook, Tensor Flow, PyTorch, Apache Spark, Scikit-Learn, Keras

**Tools:** Tableau, Power BI, Git, Excel, PowerPoint, Word