

# Chris Sharpe

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## Objective

A position that uses my Information Management background and business degree to develop solutions with IBM Watson.

## Work Experience

### **Business Analyst/Cognitive Engineer – Sharpe Engineering Inc. Dec. 2011 – Present**

Assist in various aspects of solution development including use case analysis, requirements gathering, solution design, application development, and testing.

#### **IBM Watson**

- Cognitive Engineer for a pilot project for Providence Healthcare. Responsible for all Watson QA related implementation work.
- Experienced with all aspects of Watson Experience Manager. Responsibilities included cleansing, uploading, and managing documents in a Watson QA corpus.
- Collaborated with clients to design, write, train, and test several thousand questions to curate a Watson QA corpus.
- Worked with IBM Staff on a series of workshops to understand the capabilities of Watson Discovery Advisor and demonstrate the potential value to Providence Healthcare as part of a Value Based Medicine/ACO decision management system.
- Helped evaluate the use of Watson Analytics as part of a custom healthcare solution.
- Attended several IBM sponsored Watson QA workshops and informational events.

#### **Python/Jupyter Notebooks**

- Created iterations of a notebook to visualize big data and create a functioning program.
- Used Python to perform all background analytics, through the use of toolkits such as NumPy and Pandas.
- Used Plotly and Bokeh to create both 2D and 3D visualizations from big data stored in a MongoDB database.
- Performed performance enhancement on the dataset and the background analytics to increase the speed of the program by several minutes.

#### **MongoDB**

- Successfully completed the MongoDB University training program for DBAs.
- Completed an internship at CenterPoint Energy assisting an evaluation of MongoDB. The project included tasks relating to installation, query construction, and performance testing.

## Other Skills

**MATLAB** - Developed MATLAB applications for fractal generation and numerical analysis

**Jupyter Notebooks** – Created visualizations and performed data analytics in notebooks

**IBM InfoSphere Streams** – Hands on experience creating real-time data-in-motion solutions

**SQL Server** – Created and optimized databases for custom solutions

**Datawatch Designer** – Helped design and integrate a visual exploration tool for EEG analysis

## Education

Bachelor's Degree in Business Administration with a specialization in Information Management  
Leeds School of Business University of Colorado – Boulder