

## Esther Howard

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Denver, CO

Dedicated Data Analyst with a solid foundation in Software Engineering, blending analytical skills with technical expertise. Demonstrates proficiency in identifying patterns and solving problems, showcasing refined critical thinking and adaptability. Possesses a versatile skillset to excel in navigating complex data landscapes and delivering valuable insights to drive organizational success.

### Technical Skills

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**Machine Learning:** Python, Pandas, NumPy, Skicit-learn, Matplotlib, Seaborn, Folium

**Data Visualization:** Tableau, Power BI, QuickSight, Excel, PowerPoint

**Programming Languages:** Java, C#, JavaScript, TypeScript, React, HTML, CSS

**Databases:** SQL, PostgreSQL

**Other Tools:** AWS, Azure, Jenkins, Git, Github, Bitbucket, Jira, TFS

### Data Analytics Immersion Projects

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04/23 – 06/24 **CAREER FOUNDRY** ([Portfolio](#))

- **ClimateWins:** Utilized Machine Learning algorithms to predict weather patterns, enhancing decision-making capabilities in Python and Skicit-learn.
- **Gun Violence:** Conducted a comprehensive time series analysis using machine learning techniques in Python and Skicit-learn.
- **Influenza Season:** Answered key questions on flu season for a medical staffing agency using EDA, linear regression, temporal, and spatial analysis using Tableau, Word and PowerPoint.
- **Instacart:** Designed Instacart's targeted marketing strategy by analyzing data using Python, Pandas, NumPy, and Matplotlib.
- **Rockbuster:** Deciphered a movie sales database for a company looking to start a streaming service using SQL and Power BI.
- **Pig E. Bank:** Developed a predictive model for a bank, to forecast customer churn rates and identify factors contributing to attrition using Excel.
- **GameCo:** Guided a video game company's advertising strategy by conducting exploratory data analysis and creating a presentation with visualizations using Excel, Word and PowerPoint.

### Experience

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04/23 – present **TELETRAC NAVMAN** Remote, CA  
**BI Senior Software Engineer**

- Lead development and implementation of business intelligence solutions using AWS, Java, React, PostgreSQL, Git and Bitbucket among others.
- Reduced dashboard-related customer escalation by 12% through proactive bug fixing enhancements.
- Increased data processing efficiency by 20% through optimization of ETL pipelines, resulting in faster insights delivery to stakeholders.
- Mentored junior engineers, leading to a 30% improvement in their project completion rates and enhancing team productivity.

07/22 – 04/23 **JUPITER SYSTEMS** Remote, CA  
**Senior Software Engineer**

- Designed and developed robust backend systems using C#, SQL and JavaScript among others.
- Implemented performance optimizations that decreased average response time by 15% enhancing user experience and satisfaction.

- Introduced agile methodologies leading to a 40% increase in project delivery speed and improved adaptability to changing requirements.

06/14 – 07/22    **NAVMAN WIRELESS**    Pleasanton, CA  
**Software Engineer**

- Developed and maintained software applications for fleet management solutions using .NET, HTML, CSS, React, Kendo UI, TypeScript, C#, SQL and TFS among others.
- Implemented new features based on customer feedback resulting in a 12% increase in user engagement and customer satisfaction ratings, and a reduction in churn of 8%.
- Collaborated with UI/UX designers to redesign the user interface, leading to a 250% reduction in user errors and improved usability.
- Streamlined development processes, reducing time-to-market by 30% and enabling faster adaptation to market demands.

01/14 – 06/14    **GLASSDOR**    Mill Valley, CA  
**Web Analyst**

- Analyzed website traffic and user behavior to provide insights for optimization.
- Increased website conversion rate by 10% through data-driven optimization strategies, resulting in improved ROI.
- Implement SEO updates and keyword research, leading to a 20% increase in organic search traffic within 6 months.
- Generate reports from qualitative and quantitative data sources, facilitating data-driven decision-making and improving overall website performance.

## Education

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2023-2024	CAREER FOUNDRY Data Analytics Immersion Certificate Machine Learning Certificate	Remote, CA
2015	MOUNTAIN GOAT SOFTWARE Certified Scrum Master	San Jose, CA
2005-2010	UNIVERSITY OF GIRONA Bachelor of Science in Computer Science	Barcelona, Spain