

# Blaze Rogers

SOFTWARE · DATA SCIENCE · BUSINESS

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Software Engineer with 5+ years of experience in the industry. Proficient in React, Django, AWS tools, GCP, and D3.js. Experienced in project management, architecture design, and systems design. Skilled in using Figma for design and prototyping.

## Experience

### Rift Valley Healthcare

*Salt Lake City, Utah*

HEALTHCARE COMPANY THAT HELPS EMPLOYEES AVOID BURNOUT

*2022 - current*

- As a Full Stack Engineer at Rift Valley, developed a suite of software tools using Django REST API, React, NextJS, D3, Tailwind, AWS, GitHub Actions, and Postgres to improve hospital employees' mental health and prevent burnout. The tools included a dashboard that allowed leaders to see how employees were doing based on a taxonomy of feelings and emotions, enabling them to implement changes company-wide while preserving employees' anonymity. Worked closely with team members to implement user-centered designs and the technical architecture of the platform.

### Knowledge as A Service (KaaS) - Founder

*Salt Lake City, Utah*

EDUCATIONAL COMPANY THAT HELPS PEOPLE ADVANCE THEIR CAREERS

*2021-2022*

- As the Founder of Knowledge as a Service (KaaS), developed a blog focused on self-education and skill acquisition to help people advance their careers. The blog featured a range of resources and tools to support lifelong learning and professional development. Used SEO best practices and consistently published high-quality content on a daily basis to grow the KaaS community to over 3,000 monthly active users. The community provided a supportive and collaborative environment for people to share knowledge and resources, connect with like-minded individuals, and pursue their professional goals.

### Nextera Robotics - Lead Full Stack Software Engineer

*Boston, Massachusetts*

ROBOTICS COMPANY AIMING TO AUTOMATE CONSTRUCTION

*2021 - 2021*

- Developed a web application using React and Django that allowed construction professionals to navigate a construction site using 360 degree images and leave comments over time, using construction site blueprints as a reference. The tool helped construction teams track progress and identify issues in real time.
- Used transfer learning and TensorFlow to train a machine learning model to detect safety violations in 360 degree images of construction sites. Gathered and labeled a large dataset of images in bulk, and deployed the model to a web application to help construction professionals identify and address safety issues in real time.
- As a member of the engineering team, collaborated with colleagues using Agile methodologies to deliver product increments on a regular basis and present products to clients.
- Contributed to a wide range of projects and initiatives as a member of the engineering team, working closely with departments such as product development, project management, and quality assurance to automate construction processes and improve efficiency.

### The Quantum Daily - Head of Data

*Salt Lake City, Utah*

MARKET INTELLIGENCE SaaS COMPANY

*2019 - 2022*

- Developed the initial Django/JavaScript web application, which served as the foundation for the company's market intelligence platform and helped secure initial customers and investment.
- Created and implemented a SQL schema and database on AWS, including a comprehensive taxonomy to organize and classify the data. Faced challenges with data normalization and redundancy, but overcame them through careful planning and testing.
- Developed Python web scrapers and utilized APIs to gather information from social media, company websites, journals, and patent offices to enrich the company's market intelligence data. This helped the company stay up-to-date on industry trends and competitive landscape.
- As team leader, recruited, managed, and motivated a team of designers, machine learning engineers, and software engineers using agile methodologies to complete projects on time and to the highest quality standards.
- Presented the company's SaaS products to clients and conducted customer surveys to gather feedback and identify areas for improvement. Successfully onboarded new customers to the platform.
- Automated various scripts using Databricks to streamline data processing and improve the efficiency of the company's market intelligence platform. This saved time and allowed the team to focus on more value-added tasks.

### Wolf Peak - Business Intelligence Manager

*Salt Lake City, Utah*

CONSUMER PRODUCTS COMPANY FOR MILITARY-GRADE SAFETY GLASSES

*2019 - 2021*

- Led a successful ERP data migration from SAP to Acumatica using SSMS scripts to refactor the data, then exported and uploaded it via Excel.
- As Business Intelligence Manager, helped departments across the company improve their performance by building KPI dashboards using Flask, Python, and AWS.
- Trained a machine learning model using SK-Learn to predict which combinations of features would sell best and during which periods of time they would have the best performance, providing valuable insights into product demand.
- Migrated the existing dashboards to PowerBI to take advantage of its more advanced visualization and data integration capabilities within the new ERP.
- Worked collaboratively with colleagues across departments by using a ticket system to track and manage requests and participating in daily standup meetings to present department project progress and proposals.
- Contributed to a wide range of projects and initiatives as a Business Analyst and later as Business Intelligence Manager, working cross functionally with teams across the company, including marketing, sales, finance, and operations.

## University of California Berkeley - Data Science Research Assistant

Berkeley, California

RESEARCH ASSISTANT TO ADJUNCT PROFESSOR OF MACHINE LEARNING

2019 - 2020

- Worked with an adjunct professor of Data Science at UC Berkeley as a research assistant on projects related to automated ML, fairness in AI, and explainability in deep learning models.
- Used techniques like feature importance and LIME to make black box models more interpretable and explainable.
- Built an automated neural-net model using H2O, Driverless-AI, and the Google Cloud Platform to predict the sentiment on moral theory dimensions based on tweets.
- Developed a course on explainability in AI using Python and PyTorch, covering topics such as feature importance, LIME, and SHAP.

## Education

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### Thinkful

Brooklyn, New York

DATA SCIENCE PROGRAM

- As a participant in the data science bootcamp, I received 1-on-1 mentorship from industry professionals and worked on a variety of real-world projects. These projects included using statistical methods to analyze and visualize trends in consumer loans, developing a machine learning model to predict stock prices, and implementing a deep learning model to detect and recognize parts in patent applications. I was able to apply the knowledge and skills I learned to these projects, and was able to demonstrate the practical value of my work through presentations to my mentors and peers. As a result of completing the bootcamp, I earned a data science certification, which has helped me stand out in job applications and interviews.

### Utah Valley University

Orem, Utah

BACHELORS OF SCIENCE IN BUSINESS ADMINISTRATION

- As part of my coursework in the Bachelor's in Business Administration program, I completed all of the required computer science generals and participated in an academic internship focused on statistical analysis in organizational behavior. Working under the supervision of the head of the statistics department, I conducted research on the use of collective intelligence in the venture capital industry and applied statistical techniques using R-Code and Jamovi. I received positive feedback from my supervisor for my contributions. In addition to gaining valuable experience in statistical analysis, I also developed skills in project management and research design.