Brayden Christensen

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EDUCATION

Brigham Young University   Apr 2025
Bachelor of Science Computer Science, Emphasis in Machine Learning   Provo, UT
- GPA 3.88
- BYU Scholarship
- 4x Dean's List
- Clubs: Tech Society, Data Science Club

SKILLS

Proficient- Python, SQL, TypeScript, Git, AWS, Docker
Experienced- Terraform, React, Express, PostgreSQL, Azure DevOps
Beginner- MongoDB, Apache Spark, Apache Airflow, Java, GCP, Android

EXPERIENCE

Full Stack Web Developer   Mar 2023-Present
Missionary Training Center & Church of Jesus Christ of Latter-Day Saints   Provo, UT
- Create mobile and web applications using React, ExpressJS, and PosgreSQL
- Fix bugs and implement improvements in timely manner with Jira workflow reducing a backlog of ~400 bugs to 10 bugs
- Built and deployed AI chatbot both in mobile and web that supports text and voice using websocket servers, AWS, Terraform and Azure DevOps

Marketing Data Science Intern   Dec 2023-Present
Pattern   Lehi, UT
- Collect and centralize e-commerce consumer data for a large marketing team that has increased North America brand awareness by 12 percentage points YOY
- Automate and maintain marketing tools and models for analytics using Python (Streamlit), SQL and AWS (Terraform) that has secured Pattern as the top organic search term for "ecommerce accelerator" and netted 140 high-quality backlinks to Pattern.com, improving company SEO
- Balance 3-4 data-driven projects at a time for company insights and journal posts that got Pattern in the news 3 times per day on average in 2024
- Communicate findings, methodologies, and project results to department stake holders and senior data scientists
- Built data-processing pipeline for Amazon product data in AWS using Step Functions, Lambdas, Firehose and S3 to Snowflake data warehouse

ML Undergraduate Research Assistant   Jan 2024-Present
Brigham Young University – Real-World AI Lab   Provo, UT
- Collected, cleaned and feature engineered data for deep neural network predictive uncertainty calibration
- Implemented Poisson regression models for benchmarking on computer vision object count tasks
- Prompt optimization for large language models for brainstorming and potential breakthrough technology to improve LLM effectiveness in real-world business scenarios
- Online model optimization using methods like Thompson Sampling and Multi-Armed Bandits

INTERESTS/ACHIEVEMENTS/ABILITIES

- Fluent in Spanish
- Eagle Scout (Boy Scouts of America)
- 1St in High School graduating class / Valedictorian (2019)