

Zac Yaune

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EXPERIENCE

Entrepreneurial Web Developer @ thinky.dev Aug 2024 – Present

- Founded **Thinky**, a research-annotation platform that lets scholars view/highlight/tag PDF passages and query them later
- Implemented an Electron app with Clojure/ClojureScript, Reagent/re-frame front-end to render PDFs, allowed annotation and introduced an innovative windowing system

Data Scientist @ The Church of Jesus Christ of Latter-day Saints Nov 2022 – Aug 2024

- Built an XGBoost model for evaluating online advertising leads, resulting in lower cost per conversion
- Developed an end-to-end model for identifying top-performing leaders in the absence of obvious evaluation metrics; used this model to identify high-potential individuals from among a 12,500+ person multinational pool
- Led a 4-person cross-functional team (dev, analyst, QA, curriculum designer) to deliver a Tableau dashboard for tracking new missionary training
- Deployed machine learning models in the cloud with Databricks

Research Assistant @ Brigham Young University Jul 2020 – Aug 2022

- Used deep learning (autoencoders, U-net) and time-series analysis in Python to predict blood glucose using infrared spectrometry data, with the goal of building a non-invasive glucose measurement device
- Developed a web server to deploy a GIS algorithm to assist government officials—such as the President of Indonesia—in developing tsunami evacuation plans

Full Stack Web Developer @ NetQuarry, Inc. Apr 2015 – Nov 2017

- Led maintenance and development of a 400-user CRM system for government contractors called Bidspeed
- Built a system to help clients quickly apply for and be awarded a GSA schedule, resulting in new accounts
- Defined SQL database schemas and views for use in dashboards
- Optimized the performance of large database queries

EDUCATION

Master of Science (Thesis) – Applied Mathematics Apr 2024

Brigham Young University (4.0 GPA)

Thesis: [An Investigation of the Interactions of Gradient Coherence and Network Pruning in Neural Networks](#)

Bachelor of Science – Applied & Computational Mathematics, Emphasis in Computer Science Apr 2022

Brigham Young University (3.9 GPA)

Minors in Computer Science and Physics

SKILLS

Programming Languages Python | Clojure | JavaScript | Java | C#

Technologies NumPy | pandas | SciPy | matplotlib | SQL | PyTorch | Spark | Databricks | MLflow | Jupyter | MERN | AI Agents

Certifications AWS Certified Cloud Practitioner