

MEKELI HILLER

(801) 657-9818 | mekelihiller@gmail.com | linkedin.com/in/mekeli-hiller | mekelihiller.com

EDUCATION

Carnegie Mellon University — Heinz College of Information Systems and Public Policy <i>Master of Information Systems Management, Business Intelligence & Data Analytics (BIDA)</i> Concentration in AI Management Coursework: Advanced AI & Entrepreneurial Strategy, Database Management, Python for Software Development, Responsible AI - Principles, Policies and Practices	Pittsburgh, PA <i>Expected Dec 2027</i>
Brigham Young University — Marriott School of Business <i>Bachelor of Science, Information Systems (STEM-Certified)</i> GPA: 3.67/4.0	Provo, UT <i>Apr 2026</i>

TECHNICAL SKILLS

AI & Machine Learning: Agentic AI workflows, Anthropic Claude API, OpenAI API, LLM structured output, vision models, AI guardrails, prompt engineering, supervised/unsupervised learning, Azure ML

Languages & Query: Python (pandas, NumPy, scikit-learn, PySpark), SQL, Spark SQL, TypeScript/JavaScript, C#

Data Engineering: ETL/ELT pipeline design, medallion architecture, incremental checkpointing, schema evolution, data governance

Cloud & Platforms: Databricks (Lakehouse, Lakebase, Delta Lake, Genie Spaces), Apache Spark, AWS (EC2, RDS, Lambda), Azure (ML, AI Services)

Delivery & BI: Tableau, Power BI, FastAPI, Next.js, React, PostgreSQL, Git, CI/CD

Certifications: Databricks Fundamentals Accreditation (2026)

PROFESSIONAL EXPERIENCE

Bell Textron Inc. <i>Data Solutions & AI Intern</i> - Architected a Raw, Enriched, Curated medallion pipeline in Azure Databricks, consolidating 9 mixed-format sources into a governed lakehouse feeding downstream analytics and AI workloads to drive financial reporting for over \$650K+ in assets - Prototyped agentic AI workflows for natural-language enterprise data access and built AI/BI dashboards and Genie Spaces over curated Databricks data - Architected the FastAPI backend and bidirectional sync for an enterprise Master Data Management platform, bridging Lakebase Postgres and the Lakehouse via incremental checkpointing and Delta MERGE upserts - Led requirements gathering across Contracts, Data Governance, and external vendor stakeholder teams to define an enterprise contract data integration strategy - Implemented a governed data product as the single source of truth for 60,000+ department records across 8,600+ employees standardizing organizational hierarchy across downstream financial and HR reporting	Fort Worth, TX <i>Jun 2026 – Aug 2026</i>
Marriott School of Business, Brigham Young University <i>Research Assistant</i> - Co-authored "Symbolic, Selective, or Substantive? Compliance Patterns in EdTech Privacy Policies," accepted to AMCIS 2026, assessing regulatory compliance across GDPR, COPPA, CCPA, and FERPA - Built automated Python pipelines to scrape, clean, and standardize 3,000+ privacy enforcement records across GDPR, COPPA, and CCPA jurisdictions	Provo, UT <i>Jan 2026 – Jun 2026</i>
Polynesian Brints LLC <i>Business & Technology Consultant</i> - Led digital marketing initiatives generating 80,000–100,000+ interactions per campaign and driving a 26% increase in sales - Advised executive leadership on cloud tooling and application integration, eliminating 10+ hours of manual processing per week and \$2,000+ in hardware costs	Orem, UT <i>Oct 2024 – Dec 2025</i>

PROJECTS

Covenant — Founder & Sole Engineer covenant.wedding - Built, launched, and operate a production SaaS at covenant.wedding with live weddings running through it, drawing 1,700+ visitors and 5,600 page views - Integrated the Anthropic Claude API to generate personalized planning timelines and to screen guest photo uploads before publication, designing the screening step to fail safe with human review as the checkpoint	May 2026 – Present
CineNiche — BYU INTEX Developed a movie recommendation platform with a React frontend and ASP.NET Web API backend, deploying machine learning models through Azure ML with SQLite integration to power personalized content discovery and search; top 5 team at BYU INTEX	Apr 2025

ADDITIONAL

Fluent in French; native English; intermediate ASL | Eagle Scout, Boy Scouts of America