Joshua Phelps

jsphelps12@gmail.com | www.linkedin.com/in/joshua-s-phelps | github.com/Jsphelps12

EDUCATION

Utah State University Logan, UT
Master of Science: Computer Science, Sandbox Program Expected May 2027
Brigham Young University, College of Computational, Mathematical, and Physical Sciences Provo, UT
Bachelor of Science: Computer Science: Machine Learning Emphasis April 2026

- GPA: 3.91/4.00 | ACT: 35/36 (99% percentile) | ***Minors:*** Business Strategy, Math, Entrepreneurship
- ***Honors:*** Four-year Full Tuition Scholarship | Multicultural Student Services SOAR Scholarship
- Vice President of BYU Tech Society | BYU SHPE | Levinthal Fellow | Sandbox SB04
- ***Relevant CourseWork:*** Deep Learning, Machine Learning, MLOps, Computer Vision, Data Structures, Statistics, Linear Algebra, Algorithms, Software Construction, Business Strategy, Accounting, Finance, Economics

WORK EXPERIENCE

Puente Financial Provo, UT
Co-Founder & CTO June 2026 — September 2026

- Built a USD→MXN remittance platform as primary engineer (240+ of ~260 commits) that moved its first live production transfers to Mexico, using a TypeScript monorepo with Fastify, Next.js, React Native/Expo, and Supabase Postgres
- Integrated Bridge (licensed money transmitter) for instant SPEI payouts and Stripe for ACH and USDC on-ramp funding, built on an append-only double-entry ledger, transfer state machine, idempotent APIs, and nightly reconciliation
- Shipped compliance-grade infrastructure in English and Spanish (KYC, federally required disclosures, FCRA-gated credit checks, audit logging), backed by 149 test files and approval-gated CI/CD across Railway, Vercel, and Expo EAS

Amazon Seattle, WA
Software Development Engineer Intern May 2025— August 2025

- Designed, implemented, and deployed a low-latency dynamic throttler for a microservice handling ~10 K+ TPS (scaling to ~50 K+ on Prime Day), enhancing service stability under peak traffic
- Built fault-tolerant integration with AWS AppConfig for real-time, configurable throttling logic with <1 ms overhead and full production rollout
- Authored design doc, implemented core logic in Java, and collaborated to demo, review, and ship to production

CompliRent- Startup in BYU Startup Incubator Provo, Utah
Technical Co-Founder December 2024— April 2025

- Developed and optimized an LLM pipeline using frameworks like LangChain, LangGraph, and OpenAI embeddings to automate compliance with rent control laws for property management firms
- Collaborated with property managers to refine features and guide the product toward market fit

Cadence Design Systems San Jose, CA
Software Engineer Intern June 2024— August 2024

- Automated internal CPU design analysis in Python/Jupyter, reducing manual work by 90% and accelerating issue detection for application engineers
- Designed DFS-based recursive algorithms to trace design logic, improving debugging speed

Brigham Young University Provo, UT
Research Assistant January 2024— April 2024

- Conducted research on quantifying uncertainty in deep learning models, creating benchmark experiments in Python and scikit-learn across multiple datasets

TECHNICAL SKILLS

- Java, TypeScript, Python, SQL, Node.js/Fastify, React Native/Expo, PostgreSQL/Supabase, GitHub Actions, TensorFlow, PyTorch, C/C++, Linux, HTML, CSS, React, Next.js, Docker, AWS, Spanish (fluent)

VOLUNTEER EXPERIENCE

Volunteer Representative Feb 2021— Feb 2023
The Church of Jesus Christ of Latter-day Saints Trujillo, Peru

- Led weekly lessons and organized community outreach programs, impacting the lives of 100s of individuals and families
- Capacitated and led groups of volunteers, elevating communication, conflict resolution, and strategic planning skills