

Jarom Bradshaw

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EDUCATION & SKILLS

B.S. Computer Science, Minor in Statistics

Brigham Young University-Idaho

Sept 2023 - April 2026

- President of Corporate and Community Relations; CSE Department - Computing Society.
- BYU-I Hackathon Planning Committee Treasurer | Presented at the BYU-I Artificial Intelligence Exposition (2x).
- TryHackMe OSINT Certification, Computer Programming Certificate, Machine Learning Certificate.

Technical Skills

- Full stack: Python, JavaScript, Java, Spring Boot, API's, Node.js, Express, Software Development Lifecycle.
- Data Engineering: Docker, AWS, JSON, SQL, Data Structures, Git, CI, Mathematics.
- Data Analysis: Pandas, Power Tools (Automate, BI, SharePoint), Seaborn.

WORK EXPERIENCE

Software Engineer

ZiaTech (Farmington, NM)

Sept 2026 - Present

- **Situation:** A new PSA product needed refinement to become sellable and start generating revenue.
- Tested and debugged PSA workflows from real user perspective to identify functional and UX gaps.
- Built and refined PSA features based on stakeholder requirements and user feedback.

Software Engineer Intern

Space Dynamics Laboratory (Logan, UT)

May 2026 - Aug 2026

- **Situation:** Pre-existing C-2 software needed to be converted to Python and integrated into OpenC3 COSMOS.
- Translated 60+ scripts to Python in Docker and modified satellite bus backend to provide needed functionality.
- Prototyped Grafana Dashboards to provide live time-series data for satellite operators in a Linux environment.

Software Engineer (30 hrs/week)

BYU - I Support Center (Rexburg, ID)

Mar 2025 - April 2026

- **Situation:** BYU-I Support Center provides work for 18+ offices across campus. (API's, Event Logging, Ticketing).
- Saved \$180,000 with REST APIs in 10+ apps using Java Spring Boot and Express.js in an agile environment.
- Saved 1,000 staffing with form/workflow automation in Python, JavaScript, and Power BI Dashboards.

Student Software Engineer (15 hrs/ week)

BYU - I (Hill Air Force Base) (Rexburg, ID)

Sept 2025 - Dec 2025

- **Situation:** HAFB funded a semester-long project targeting multi-million-dollar supply chain risks; conducted initial research and baseline simulations that led to ongoing development by data science teams.
- Designed a Discrete Event Simulation (DES) system to model supply chain bottlenecks for critical aircraft parts.
- Simulated high-risk disruption scenarios in Python (NumPy/Pandas) to guide long-term mitigation strategies.

Student Software Engineer (<10 hrs/week)

BYU - I (Smart ETA Technologies) (Rexburg ID)

Dec 2024 - Mar 2025

- **Situation:** A trucking startup reached out to the Data Science society for help with integrating AI into their app.
- Built a Python AI chatbot with Ollama to boost truck dispatching efficiency and compliance.
- Linked Google Sheets with Python, Pandas, and Seaborn for data analysis and visualization.

Technology Secretary

Church of Jesus Christ of Latter-day Saints (Rio De Janeiro, BR)

Dec 2022 - Aug 2023

- **Situation:** Supported mission technology systems to keep devices functional and digital finding efforts effective.
- Managed MaaS360 setup for 100+ devices, resolved bugs, and handled mission tech issues.
- Analyzed social-media and missionary data (Tableau) to improve outreach strategies.