

Jarom Bradshaw

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EDUCATION

Bachelors of Science in Computer Science
Minor in Statistics

BYU-I - Anticipated: December 2025
Major + Minor GPA (3.76)

WORK EXPERIENCE

Software Developer (Hill Air Force Base (HAFB))	September 2025 - Present (Remote)
▪ Designed a system for Discrete Event Modeling (DES) for parts in the supply chain at HAFB.	
▪ Diagnosed probable high-risk supply chain disruptions via simulation with NumPy and pandas.	
▪ Analyzed and validated system behavior under varied demand and stocking scenarios.	
Software Engineer (BYU - I Support Center)	March 2025 - Present (Rexburg ID)
▪ Saved 1,000+ staffing hours with REST APIs in 20+ apps using Spring Boot, Express, and SQLite.	
▪ Updated and maintained 40+ Power BI reports using DAX/Power/Automate/Scripts.	
▪ Increased efficiency of 100+ phone dispatchers with POC ML Model built in Python.	
Freelance Software Developer (Multiple Clients)	May 2025 - July 2025 (Remote)
▪ Built a content app for plant enthusiasts as a private group in React.	flora-id.com
▪ Worked on multiple other projects of varying size in JavaScript and Python with Jira.	
▪ Participated in 2 feedback loops with individuals to iterate based on user testing results.	
Developer Intern (Smart ETA Technologies)	December 2024 - May 2025 (Remote)
▪ 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.	
▪ Structured JSON and optimized query logic to enhance AI response accuracy and performance.	

RELATED EXPERIENCE

CodeChart	codechart.art
▪ Simplified complex code concepts by reverse engineering code into charts and vice versa.	
▪ Gamified learning with personalized experience at an 85% positive feedback rate.	
Apply First - Chrome Extension for LinkedIn Job Filtering	Chrome Web Store
▪ Helped job seekers find the newest LinkedIn job postings in an overcrowded and slow-to-navigate UI.	
▪ Noted as excellent by 80% of users for being one of the first 5 applicants to new jobs posted on LinkedIn.	
FinBuddy	GitHub
▪ Created financial education-focused app with 70+ REST APIs, Java Spring Boot, Ollama, and JWT Auth.	
▪ Utilized CI/CD with GitHub Actions; with the frontend on Netlify, backend on Heroku, and DB on Aiven.	
Personal Notes Manager	Github
▪ Designed to save personal money in hosting my own files.	
▪ Built a secure Java + AWS file system with user authentication, file tracking, and S3 integration.	
JustPass (24 hour Hackathon)	MLH
▪ Improved positive connections with a Bluetooth mobile application in .NET Maui & MongoDB.	

SKILLS

- Backend: Java, Spring Boot, C#, API's, Jira, Python, Node.js, Express, Git, Docker, Data Structures.
- Frontend: Jira, JavaScript, Typescript. EJS, React, Vue, Flutter, .NET Maui.
- Data Engineering: AWS, JSON, SQL, SQLite, MongoDB, Databricks.
- Data Analysis: PySpark, Pandas, Polars, Power Tools(Automate, BI), LetsPlot, Seaborn

ACCOMPLISHMENTS & CERTIFICATES

- Served as a full-time IT volunteer in Rio De Janeiro, Brazil, for 8 months in Portuguese.
- 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)
- Led several 12-week-long bootcamps in the Data Science Society and the AI Society.