

# 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](https://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

[codech.art](https://codech.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.