Jayden Allen

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Detail-oriented Computer Science student with hands-on experience in full stack development, systems integration, and cloud-based infrastructure. Proven leadership in software teams, a strong foundation in backend development, and a passion for building scalable, secure solutions.

Education

Bachelor of Computer Science | 3.56 GPA   **Anticipated Graduation: December 2025**

Brigham Young University- Provo, Utah

Coursework:

- Computer Systems
- Algorithm Design and Analysis
- Calculus I & II
- Deep Learning

- Software Design and Advanced Software Construction
- Systems Programming
- CS Discrete Mathematics

High School Diploma | Valedictorian   **2019**

Baker High School- Baker, Montana

GPA: 4.0

Work Experience   **References available upon request**

Fund Launch:

Full Stack Developer (Contractor, Backend-Focused):   February 2025-Present

- Develop a custom React/Next.js application for a new financial education product.
- Design and implement scalable Supabase-based storage architecture to support future growth and products.
- Lead development team on security architecture, applying Postgres RLS, CSPs, and additional safeguards to protect financial data.
- Integrate the platform with third-party tools including Salesforce, Auth0, Zoom, Slack, Go High Level, and Paper OS.
- Deliver functional MVPs on tight timelines, meeting client requirements.
- Collaborate with external partners to expose and document API endpoints for cross-platform functionality.

BYU Office of Information Technology:

Integrations Developer and Student Team Lead: September 2023-April 2025

- Managed team of 7 other students.
- Developed and managed incidents of Production Level Code and Applications.
- Coordinated across teams, clients, and vendors internationally to meet project deadlines.
- Trained new student employees in using ETL and ERP tools.
- Interviewed new employees as part of the hiring committee.
- Regularly held code reviews over student and full-time employee code.
- Analyzed integration metrics and proposed and created solutions to reduce overhead costs.
- Presented and implemented a custom management process, utilized by the Application Engineering Department.

Technical Skills

Languages:	TypeScript, Java, JavaScript, SQL, Python, C++, Visual Basic
Frameworks & Tools:	React, Next.js, Flask, Docker, Git, Jupyter Notebooks, Postman, NPM, PIP
Databases:	Postgres, Oracle, MySQL, MongoDB, SQLite, Supabase
API Protocols:	REST, SOAP, GraphQL
ETL & Integrations:	Informatica Cloud, PowerCenter, Boomi, AWS, Workday, Salesforce, Dremio, Auth0, Netsuite
DevOps & Scripting:	Bash, PowerShell, Swagger, OpenAPI

Achievements

Business Professionals of America Programming State Finalist and National Competitor
- Top 5 Finalist at State in Montana in Visual Basic Programming — 2018, 2019
- Placed in top 50 at Nationals in Visual Basic Programming — 2018, 2019
- Top 5 Finalist at State in Montana in C++ Programming — 2019
- Placed 11th overall at Nationals in C++ Programming — 2019

Volunteer Work

Volunteer Proselyting Mission for The Church of Jesus Christ of Latter-day Saints — 2020-2022

- Communicated daily with individuals to share messages clearly and effectively
- Led, oversaw, coordinated, and trained groups of 6 to 10 other missionaries.

Personal Projects

March Madness Prediction Web App

- Developed a React-based web app prototype for NCAA tournament predictions using a custom machine learning model.
- Trained the model on historical March Madness data from Kaggle datasets.
- Built a Flask backend to serve model predictions via API to the frontend.
- Outlined plans for future UI enhancements and interactive features.

Automated Video and Audio Transcription Compiler

- Created a Python automation pipeline using Coqui TTS, MoviePy, and OpenCV to generate TTS narrated and subtitled short-form videos.
- Enabled user driven voice synthesis with optional speaker selection using Coqui TTS, and real-time sentence segmentation using the PySBD module.
- Automated aspect ratio formatting and synchronized overlayed subtitles.