

Bradley Beeson

COMPUTER SCIENCE: MACHINE LEARNING student at BYU

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EDUCATION

BS in Computer Science: Machine Learning (in progress)

Brigham Young University

Expected Graduation: Spring 2028

Provo, UT

- **Current GPA: 3.32 (CS Courses: 4.0)**
- **Member of BYU Developers Club**
- **Relevant Coursework: Data Structures and Algorithms, Full-Stack Development, Software Design and Testing, Algorithm Design and Analysis, Data Science and Machine Learning Foundations**

EXPERIENCE

Founder & Software Engineer

March 2025 - Present

QuoteDeck - Provo, Utah

Built and scaled a SaaS product from prototype to production, now used by multiple paying small business clients.

- Architected and shipped a production-grade SaaS platform enabling real-time price estimation for service businesses through an embeddable React.js widget integrated into client websites
- Built and maintained a FastAPI backend with Supabase PostgreSQL, implementing secure data models, authentication flows, and pricing logic APIs
- Engineered end-to-end integrations with third-party services including SendGrid (automated email), Twilio/NotificationAPI (SMS notifications), the ChatGPT api (LLM integration and smart conversation flow) and Google Ads (conversion tracking)
- Deployed backend services on Render and frontend interfaces on Vercel, with CI/CD pipelines and version control through Git & Github Actions
- Applied modern development practices including containerization, type-safe API contracts, and monitoring/alerting for reliability in production environments

PERSONAL TECHNICAL PROJECTS

- **QuoteDeck – AI-Powered Instant Price Estimator:** Full-stack SaaS (React + FastAPI + Supabase) enabling SMBs to generate instant price estimates and collect qualified sales leads through an embeddable widget & online CRM portal; adopted by multiple paying small businesses. (www.myquotedeck.com)
- **BetterPlates – Smart Recipe ‘Healthifier’ App:** iOS app written in Swift using AI to import and modify recipes based on user health goals; 100+ downloads on the App Store. ([BetterPlates on App Store](#))
- **Chess – Full-Stack Java Application:** Implemented a complete chess platform with GUI and server-client architecture; demonstrated mastery of object-oriented design principles and clean code practices.
- **Time-Series Forecasting for local Cookie Store:** Built and validated forecasting models (Prophet + XGBoost) using several years of real sales data; experience in data cleaning, feature engineering, and applied machine learning. Built UX and deployed on Streamlit to maximize usability by non-technical staff. Increased future sales forecasting accuracy by >50%, reducing ingredient waste and increasing profits

SKILLS

- **Languages:** JavaScript, Python, Java, C++, C, SQL, HTML5, CSS3
- **Frameworks & Libraries:** React.js, Node.js, Express.js, FastAPI, Flask
- **Databases & Cloud:** PostgreSQL (Supabase), MySQL, MongoDB, Firebase, AWS (EC2, S3, Lambda)
- **Tools & DevOps:** Git/GitHub, Docker, Render, Vite, CI/CD pipelines, REST API design, Google Ads/Tag Manager integration
- **AI & Data:** AI-assisted development (prompt engineering, Cursor, Copilot), time-series forecasting (Prophet, XGBoost), natural language processing (scikit-learn, transformers), data visualization (Chart.js, Matplotlib, Pandas), LLM integration (ChatGPT API)

VOLUNTEER EXPERIENCE

Volunteer Representative	December 2021 - December 2023
The Church of Jesus Christ of Latter-Day Saints	Rio de Janeiro, Brazil
<ul style="list-style-type: none">• Self taught the Portuguese language and was able to converse fluently in Brazilian Portuguese• Performed data analysis on volunteer performance for 200+ volunteers• Conducted individual and group trainings for volunteers• Served as a volunteer leader, directly responsible for ensuring performance of 200+ volunteers	