BRAEDEN POPE

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Aspiring software engineer with hands-on experience in full-stack development using Python, Flask, and SQL. Proven leadership and problem-solving skills demonstrated through web application development and team coordination. Passionate about building scalable, user-centered software solutions in collaborative environments.

SKILLS

- **PROGRAMMING -** JavaScript, SQL (MySQL, SQLite), C++, C#, Python, Google Apps Script
- **DEVELOPMENT -** Web Applications, Database Management, Software Design, Version Control (Git)
- **LEADERSHIP -** Technical Program Planning, Process Automation, Team Leadership, Project Coordination
- **COMMUNICATION -** Public Speaking, Customer Service, Problem Solving

EDUCATION

- **BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING, BYU-IDAHO – Expected Graduation Dec 2025**
- **Certificate in Software Design**
- **Class Projects**
    - **Battle Dome -** RPG Combat System (C++, OOP)
    - **Chess –** C++ Chess Game Engine (C++, OOP, Polymorphism, Graphics Rendering, Unit Testing)
    - **EnrollEase –** Course Scheduling System SDD (System Design, Documentation)
- **Senior Project**
    - **LoreKeep** – Full-stack D&D campaign management web application using React, Flask, and SQLite with features for interactive event mapping, character/monster management, and file uploads.

EXPERIENCE

- **FTC SENIOR DEVELOPER | BYU-I FACULTY TECHNOLOGY CENTER | SEPT 2022 – CURRENT**
    - Lead technical team of 2-5 developers supporting online course development and maintenance for thousands of students worldwide
    - Developed web applications using JavaScript and Google Apps Script, integrating REST APIs and streamlining workflows
    - Collaborated with administrators and instructors implementing technical solutions, gained experience in team leadership and project management
    - Automated data collection and reporting for thousands of online course users; collaborated cross-functionally to design dashboards that supported strategic decisions.
- **MISSIONARY | THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS | FEB 2020 – FEB 2022**
    - Managed community outreach and digital marketing for 15+ cities, led social media strategy as Page Administrator (5 months) and Analytics Specialist (10 months)
    - Analyzed social media engagement data to optimize campaign strategy; presented performance insights to regional leadership using visual reports.
    - Developed advanced communication skills, leadership abilities, and analytical thinking serving diverse communities

PROJECTS

- **CANVAS API LIBRARY –** Google Apps Script Library for making API calls to the Canvas Instructure API
- **TRELLO API LIBRARY –** Google Apps Script Library for making API call to the Trello REST API
- **STUDENT ADMIN MONITORING/TIME TRACKING –** Google Apps Script program for monitoring and logging actions made with student administrator accounts in Canvas to prevent misuse/abuse of permissions
- **SERC (Setup, External Resource, Copy) –** Google Sheets/Apps Script Project for preparing courses for future semesters using Google Apps Script web applications and automation with REST APIs (Canvas, Trello)

References available on request