Marshall Blatz

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Education

University of Iowa – Iowa City, IA   **August 2019 - May 2023**
B.S.E. in Computer Science and Engineering   GPA: 3.41/4.0

Work Experience

Iowa Reading Research Center – Iowa City, IA   **November 2021 - Present**
Software Developer
- Engineered a data management solution that merged user data from disparate sources, resulting in a 60% reduction in time spent on manual data entry and analysis.
- Developed and implemented a state-wide reading comprehension assessment platform, resulting in more than 8,000 students utilizing the application to assess their literacy levels.
- Implemented a new single sign-on server and interface that consolidated access to all applications into a centralized endpoint, resulting in a 40% reduction in login time for end-users.

RSM US – Cedar Rapids, IA   **May 2022 - August 2022**
Application Development Intern
- Developed extensions for an Enterprise Resource Planning (ERP) platform using a proprietary language, resulting in increased functionality and improved efficiency.
- Created a custom data import tool for a client's user base, optimizing data entry workflows and achieving an 80% reduction in manual labor.
- Collaborated with another intern on a project, successfully streamlining the credit memo creation process within the assigned timeline and exceeding client expectations.

Projects

Playlist Sharing Web Application (React, Express, Firestore)   **January 2023 - Present**
GitHub: https://www.github.com/marshall-blatz/Curate
- Architected a full-stack social media application using React and Express, enabling seamless playlist sharing and music discovery, resulting in enhanced user engagement.
- Integrated the Spotify API and Apple Music API to allow account linking, playlist uploading, and playlist saving.
- Developed a custom translation feature for converting Apple Music playlists to Spotify playlists, improving cross-platform compatibility, and providing a seamless experience for users.
- Implemented a CI/CD pipeline, automating the software development, testing, and deployment processes.

Venue Vaccine Approval App (Java, MySQL)   **January 2022**
GitHub: https://www.github.com/marshall-blatz/Venue-Vaccine-Approval-App
- Developed a Java-based vaccine registration platform that enables users to apply for acceptance to venue events.
- Implemented a user-friendly interface for venues to create and manage events, including event details, dates, and capacities, streamlining event posting and management processes.
- Designed a robust user application process, enabling users to easily apply for event acceptance, ensuring adherence to vaccination requirements.

Leadership Experience

Hack Iowa Student Club – Iowa City, IA   **December 2020 – September 2021**
Treasurer
- Planned and lead biweekly meetings where CS concepts are taught to students with all levels of experience.
- Boosted the University of Iowa attendance at nearby Midwest hackathons by 30% by organizing transportation options.

Phi Gamma Delta – Iowa City, IA   **January 2020 – January 2021**
Head of Recruitment
- Led a team of 6 members in planning and executing all recruitment events over a course of two semesters.
- Increased new member numbers and retainment by more than 50% compared to the previous year.

Skills

- JavaScript (React, Redux, Express, Jest)
- Java (Spring, JUnit)
- SQL (MySQL)
- Python
- PHP

- NoSQL (Firebase Firestore)
- Google Cloud Platform
- REST APIs
- Git