Jared Cassoutt

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EDUCATION
BAYLOR UNIVERSITY- Waco, TX
May 2021
Bachelor of Science in Mechanical Engineering
- Minor: Mathematics
- Relevant Coursework: iOS Development, Algorithms and Data Structures, Introduction to Computer Science

SKILLS

• Swift	• Flutter	• Dart	• Python	• Xcode	• Firebase
• SQL	• CoreML	• Core Data	• SwiftUI	• MVC Architecture	• Git/GitHub

EXPERIENCE

L3HARRIS TECHNOLOGIES – Waco, TX   **Fall 2020**
Global aerospace and defense technology innovator, delivering end-to-end solutions to meet customer needs
Software Engineering Lead
- Developed application to scan and measure hole patterns on serviced aircraft with ±0.01 inch accuracy
- Used Python modules, OpenCV and Tkinter to build easily understood and responsive user interface
- Produced detailed documentation for manufacturability, usability, and continuous improvement

HUCK ADVENTURES – Boulder, CO   **Summer 2020**
Software start-up helping outdoor enthusiast connect and explore together based on availability and skill set
Mobile Software Engineer Intern
- Utilized Flutter SDK, Dart, and Android Studio to adapt company's current mobile application
- Collaborated with UI/UX teams using Slack and Jira to produce 6 new interface screens
- Led teammates in daily scrum meetings and wrote technical documentation for intern onboarding

BITTERSWEET COOKIES – Waco, TX   **Spring 2020**
Waco-based dessert shop specializing in producing quality cookies and brownies for individuals and events
Software Engineer (iOS)
- Collaborated with founder to build iOS application for incentivized customer retention mobile ordering
- Enhanced user experience with threading using an asynchronous queue for customer orders
- Integrated technologies such as Stripe, Cocoa Framework, Firebase, Core Data, and Push Notifications

DISCOUNT DAYS – Waco, TX   **Fall 2019**
iOS application developed to provide users with notifications for promotions offered on specific days
Software Engineer (iOS) / Co-founder
- Completed development of frontend and backend to provide users with promotional notifications
- Gained experience with Firebase, MapKit, Local Notifications, JSON parsing, CocoaPods, and Core Data
- Established a profound understanding for implementation of MVC architecture

PROJECTS
- **Walls Bounce Game:** built a game available on the Apple App Store using SpriteKit to strengthen my understanding of Swift topics such as automatic reference counting and protocols.
- **Group Chat Media App:** produced iOS mobile application with Firebase backend allowing users to create an account and join or create password protected group chats with other users
- **Recipe from Ingredients Generator:** developed iOS application that provides users with recipes for specified ingredients using JSON decoding, URL Sessions, and the Spoonacular API
- **Restaurant Recommendation App:** made an iOS mobile application using MapKit and Core Data to provide random recommendation on where based on location and previously favored choices
- **Mobile ASL Translator:** built an iOS application using CreateML that uses a ML Model for object detection to translate the ASL alphabet