

# Jack Sheridan

Software Engineer

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## EDUCATION

- ❖ **UC San Diego — Masters in Computer Science**
  - ❖ GPA: 3.900 ~ Graduating Cum Laude
  - ❖ SEPTEMBER 2021 - JUNE 2022
  - ❖ Focusing on Computer Systems depth: software engineering management, database design and implementation, distributed computing, and distributed networked systems.
- ❖ **UC San Diego — Bachelors in Computer Science**
  - ❖ GPA: 3.841 ~ Graduated Cum Laude
  - ❖ SEPTEMBER 2018 - JUNE 2021
  - ❖ Studied basic software topics: data structures, algorithm design, computability, and complexity.

## EXPERIENCE

### ❖ Odyssey Teams — Full-Stack Software Engineer



- ❖ Chico, CA ~ Hybrid Remote
- ❖ JULY 2020 - MARCH 2022
- ❖ Contract built a web application that splits an image into a grid, provides each tile to participants, and reassembles an image from the participants' uploaded recreations.

### ❖ Do All Outdoors — Mobile Software Engineer



- ❖ Nashville, TN ~ Fully Remote
- ❖ DECEMBER 2019 - MARCH 2021
- ❖ Contract built an app that connects via Bluetooth Low Energy to a skeet thrower to 'pull' skeet or randomize throwing angle. Includes voice recognition for hands-off control. iOS (Swift) and

### ❖ Triton Dine — Mobile Application



- ❖ Over 7,000 Users across both app stores
- ❖ iOS (Swift) and Android (Kotlin)
- ❖ An app that connects to the UCSD dining dollar service and budgets dining dollars for the rest of the school year.

### ❖ assassin — Full-Stack Mobile Application



- ❖ Over 100 beta testers
- ❖ iOS (Swift) and Android (Kotlin)
- ❖ An app and a server that facilitates a competitive last-man-standing tag game. Includes a completely custom ReST API to interact with multiple custom MongoDB schemas.

## SKILLS

### iOS Development:

- XCode & Swift & SwiftUI & UIKit
- In-App Purchases & Paid Apps
- App Store Connect Management
- Local & Remote Push Notifs

### Android Development:

- Android Studio Platform
- Java, Kotlin, XML Layouts, Jetpack Compose
- Google Play Console Management
- Local & Remote Push Notifs

### Web App Development:

- ReactJS, NextJS
- JavaScript, Typescript
- Cookies, authentication management
- SSR & CSR
- HTML, CSS, PHP

### APIs and Backend Development:

- ReST, JSON, Protobufs, gRPC, WebSockets
- Reverse Proxies, Load Management and Distribution
- NodeJS/NPM & Express
- Secure Linux server setup
- Nginx & Apache
- JWT Signing and Verification
- TLS certification
- Apple and Google Authentication

### Databases:

- Document DB (MongoDB)
- SQL (PostgreSQL)
- Schema Design
- Database Implementation
- Query Processing & Optimization

### OOP:

- C, C++, Java
- Design Patterns

