Jack Sheridan

Software Engineer

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EDUCATION

UC San Diego — *Masters in Computer Science*
GPA: 3.900 ~ Graduating Cum Laude June 2022
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 June 2021
SEPTEMBER 2018 - JUNE 2021
Studied basic software topics: data structures, algorithm design, computability, and complexity.

EXPERIENCE

Odyssey, Chico, CA | *Full-Stack Software Engineer*
JULY 2020 - DECEMBER 2021
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, Remote | *Mobile Software Engineer*
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.

PROJECTS

Triton Dine, UCSD — *Mobile app*
Over 7,000 Users
SEPTEMBER 2018 - SEPTEMBER 2021
Built 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 App*
Over 100 beta testers
APRIL 2017 - PRESENT
Built an app and a server that facilitates a competitive last-man-standing tag game.

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