

Braeton Buckley

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EXPERIENCE

- Software Engineer | JetHead Development Inc.** | Carlsbad, CA May 2020 – March 2023
- Developed middleware for DirecTV satellite set-top boxes using C++ and JSON
 - Implemented new features either individually or with other teams under ATT exercising agile development
 - Identified, tested, and patched bugs from the field, resolving customer issues on Jira
 - Created test scripts with Bash, and wrote new test cases to be utilized regularly by the internal testing team
- Math & Computer Science Tutor | Innovation Academy** | Fullerton, CA December 2023 – Present
- Part-time tutor students K-8 in Math and Computer Science concepts

PROJECTS

- [SideQuests](#) | [Thunderstore - The Lethal Company Mod Database](#)** 2024
- Published SideQuests mod with 600+ downloads for Lethal Company PC game to Thunderstore
 - Patched class behavior using HarmonyX, BepInEx, and UnityNetcode
 - Created 3 categories of unique quests that contribute to player credits and quota by syncing server and client
- Reconnect in Standby** | JetHead, DirecTV, ATT 2023
- Reconnected the client to the server in standby to reduce boot up time by 2 minutes
 - Investigated server connection architecture in order to optimize design
 - Implemented two alternative designs for acceptance by the server team
- QR Code Troubleshooting** | JetHead, DirecTV, ATT 2022
- Embedded QR codes into Video Connection Lost troubleshooting screens for the DirecTV Genie Mini
 - Reduced calls to customer care by redirecting to additional troubleshooting help sites to resolve issues
 - Revised troubleshooting screens to address different types of issues more specifically
- Free Memory Tracking KPIs** | JetHead, DirecTV, ATT 2021
- Created KPIs to track the CPU usage and free memory for the DirecTV Genie Mini
 - Collected data on New Relic and organized it into dashboards for viewing by ATT
 - Analyzed data to identify problematic software updates in the field or internal test environments

EDUCATION

- University of California, Riverside** | Bachelor of Science in Computer Science 2019
- Relevant Coursework:** Software Construction, Discrete Structures, Data Structures & Algorithms, Embedded Systems Software Engineering, Compiler Design, Design of Operating Systems, Technical Communications, Virtual Reality, Concurrent Programming & Parallel Systems, Design & Architecture of Computer Systems, Database Management Systems, Artificial Intelligence, Machine Learning & Data Mining, Automata & Formal Languages, Unix System Administration

SKILLS & CERTIFICATIONS

C++, JavaScript, C#, Java, Bash, SQL, HTML, CSS, JSON, Linux, Visual Studio, Git/Gitlab, Jenkins, Jira, Confluence, AWS, *JavaScript Algorithms and Data Structures Certification*, *Responsive Web Design Certification*, *AWS Certified Cloud Practitioner*

ORGANIZATIONS

- Youth Advisor & Newsletter Editor | Riverside JACL** | Riverside, CA 2018 – Present
- President | Intercollegiate Nikkei Council & UCR Nikkei Student Union** 2017 – 2018