

# Braeton Buckley

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## EXPERIENCE

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**Software Engineer** | JetHead Development Inc. | Carlsbad, CA

April 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
- Planned, designed, and documented features for communication of proper feature expectations
- Worked through entire SDLC using CI/CD systems such as GitLab and Jenkins

**Math & Computer Science Tutor** | Innovation Academy | Fullerton, CA

December 2023 – June 2024

- Tutor students K-8 in Common Core Math, iReady Math, and fundamental Computer Science concepts
- Plan and adapt curriculum to each student's current understanding
- Write reports for parents to stay updated with their children's progress

## PROJECTS

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**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

## SKILLS & CERTIFICATIONS

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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*

## EDUCATION & ORGANIZATIONS

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**University of California, Riverside** | Bachelor of Science in Computer Science

2019

**Youth Advisor & Newsletter Editor** | Riverside JACL | Riverside, CA

2018 – Present

**President** | Intercollegiate Nikkei Council & UCR Nikkei Student Union

2017 – 2018