

Braeton Buckley

714-904-2063 • Fullerton, CA • braetonbuckley@gmail.com • kallenxcc.github.io • [LinkedIn](#)

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