

# Braeton Buckley | Software Engineer

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## Work Experience

### **JetHead Development Inc.**

Software Engineer | May 2020 – March 2023

Developed software for DirecTV satellite set top boxes using mainly C++ and JSON. Worked on several new features both individually and with other teams under ATT exercising agile development in 10 week cycles. Planned, designed, and documented features for communication of proper feature expectations. Identified, tested, and patched numerous bugs from the field.

Built new KPIs to track memory and CPU usage throughout different models to help identify possible issues before they became critical. Improved the user troubleshooting experience by updating screens with QR codes and reviewing the troubleshooting flow. Implemented stringdrop updates provided by other teams. Constructed dashboards to clearly portray data collected by KPIs. Located hidden memory leaks in the codebase. Wrote new test cases that were utilized by testers, and created test scripts with Bash. Learned to flash updates onto the satellite boxes. Practiced proper version control and code review practices using GitLab and Jenkins.

## Skills

C++, OOP, Algorithms/Data Structures, JSON, Java, Visual Studio, Git/Gitlab, CI/CD, UI/UX, Bash, Agile, Jira, Jenkins, Confluence, CMS, Distributed Systems, Test Automation, HTML, Linux/Unix, Windows, C#, Unity, SQL, DBMS, Japanese, Resourcefulness, Collaboration

## Education

### **Bachelor of Science – Computer Science**

University of California, Riverside | 2015 – 2019

## Projects

### **QR Code Troubleshooting | JetHead, DirecTV | 2022**

C++, JSON, Visual Studio, GitLab, DirecTV Genie Mini, Jira, Confluence, Linux

### **Free Memory Tracking KPIs | JetHead, DirecTV | 2021**

C++, NewRelic, Visual Studio, Jenkins, DirecTV Genie Mini, Jira, Confluence, Linux

### **Ordinary Wizarding Levels (VR Game) | UCR | 2019**

C#, Unity, Oculus

### **Database Management Project | UCR | 2018**

Java, TSQL, Shell

### **Fly Dot | UCR | 2017**

C, Objective-C, ATmega1284

### **CitrusRPG | CitrusHack | 2015**

Java, Greenfoot

## Organizations

### **Youth Advisor, Newsletter Editor | Riverside Chapter | 2016 – Present**

Advise Riverside JACL youth and UCR Nikkei Student Union. Create/edit the quarterly newsletter.

### **President | Intercollegiate Nikkei Council | 2016 – 2018**

Managed board of 25 individuals from 12 different schools' NSUs across Southern California.

### **President | UCR Nikkei Student Union | 2015 – 2018**

Managed board of 9 individuals who worked together to run UCR NSU with 100+ active members.