

Christian Araya

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Professional Experience

Google

Venice Beach

QA Engineer

05/2019 - Present

- Performed **User Experience, User Acceptance, and Regression** testing of AR mobile apps (Measure, Playground, Photobooth, ARSearch)
- **Localization** testing of non-English text for global markets such as Europe, Asia, Middle East, etc. in Measure Android app and Santa Claus web ARSearch
- **Performance Testing** mobile device rendering of vehicle industry assets to ensure frame per seconds standards
- **Compatibility Testing** on high, mid, and low tier android devices of AR apps Playground, AR Search, and Measure
- Ran python scripts in a **shell** to test system health of Android augmented reality (AR) apps using **Unix terminal**
- Used Android Developer Bridge (**ADB**) commands in Unix terminal to sideload Dogfood, fishfood, and nightly mobile application builds
- Created and ran **Sanity** as well as **Smoke test** cases for mobile apps using in-house test management system (TestTracker)
- Created detailed **issue reports** using Buganizer issue management system
- **Signed off** on release candidate, respin, and hotfix builds
- **Effectively communicated** issues and questions to all product stakeholders (Engineers, Product/Project Managers, UI/UX Teams)

Mercedes Benz Research and Development

Long Beach

QA Engineer

04/2018 - 04/2019

- Followed Daimler/MBRDNA **ISO 9001:2015** quality guidelines
- Performed **End-to-End (E2E)** testing from Mercedes Me Connect (MMC) mobile app (Android and iOS), to voice assistant (**Amazon Alexa and Google Home**), to Mercedes Me customer and retailer web portals (MMP and MMR), to onboard vehicle Panasonic **Head Unit** (HU), and Hermes **Telematics Control Unit** (TCU)
- Extracted and analyzed system, network, and backend logs for HU, TCU (using **Kibana**), iOS, Android, Alexa, Google Home, Chrome, and Internet Explorer
- Analyzed logs for Microservice API requests and responses
- Wrote and created test cases in **HPALM** for new features
- Flashed vehicle HU using **TUT**
- Used **Monaco** software and **ECOMM** hardware to configure vehicle's TCU
- Ran **smoke tests** prior to Regression test cycle
- Simulated different vehicle statuses in laboratory test benches using **ET Framework** software

AT&T (DirecTV)

El Segundo

QA Engineer

06/2016 - 01/2018

- Communicated progress, road blocks, and Todo's in **Scrum meetings, Kanban board** as well as give constructive feedback in **Sprint Retrospectives** within an **Agile** team.
- Performed **manual (blackbox), regression, and ad hoc testing**, entered new and verified issues in **JIRA**
- **Ran automation test scripts** for GPS geolocation spoofing on iPhone using **Xcode**
- Performed **accessibility testing** of FCC Talkback, Voiceover, and Voiceview for iOS and Android platforms
- **Installed Firmware** updates to prototype and pre-market devices using software such as **ODIN**
- Wrote detailed issue reports with steps to produce, reproducibility table, reproduction video, and debug text using **Xcode and Android Studio's Logcat** for functionality issues.
- Used **Charles Proxy** to record **API** calls and monitored **HTTP** GET Requests and Responses in **JSON** and **XML** for data and security information
- **Troubleshoot routers, STB's, and GenieGo clients** to eliminate possible network issues that may be affecting app functionality

DirecTV

El Segundo

QA Engineer

01/2015 - 06/2016

- Ran Manual (blackbox), regression, exploratory, functional testing of core and new features.
- Performed **Over-the-top testing** by throttling network router to various bitrates, inspect audio/video latency, flickers, and sync issues
- Tested **DAI videos on Freewheel** server which included, pre-rolls, mid-rolls, end-rolls, and ad links
- Conducted **Risk-based Testing** for Hot Fix and Prime build releases of software
- Performed **load/stress, and End-to-End testing** of GenieGO and GenieGO2 device registration using clients, Set-top-boxes, and different communication networks (Wifi/Cellular)
- Executed **Ad Hoc** testing of **NFL Sunday Ticket** app on **Over-The-Top (OTT)** and console platforms (**Roku, Firestick, Apple TV, Xbox, Playstation, Apple Watch**)
- Used **PuTTY** terminal to simulate test case scenarios for mobile iOS and Android application
- Performed **User Acceptance (UAT), Unit, Integration, and System Testing** in a **Tiger Team** to evaluate new feature compliance with business requirements, design **UI/UX specifications**, and user cases using **JIRA Epics and Stories**

Senior Quality Assurance Analyst, E2G2

Pasadena

Senior QA Analyst

05/2012 - 11/2014

- Extensive experience testing **mobile software for iOS and Android platforms and web browsers**
- Experience checking browser **Javascript console** to pinpoint software issues
- **Developed Software** prototypes using **HTML, CSS, and Javascript**
- **Lead Implementation** of web-based software to replace obsolete city government billing systems

Education

University of California, Irvine

06/2011

Bachelor of Science, Physics

Long Beach City College, Long Beach

06/2018 – 11/2019

Associate of Science, Computer Science

- Extracurricular
 - LBCC Robotics Team (MATE ROV International Competition)
 - Wrote and tested underwater (Arduino) robot's image recognition and autonomous driving software using OpenCV and C++ for International ROV competition

Internship

NASA/JPL (NCAS Fellow)

Intern

Pasadena, CA

05/2019 – 09/2019

- Software Engineer in Rover Competition: Developed, tested, and programmed mission critical-software for carrying out mission goals
- Design/Research Engineer in Rover Competition: Designed and researched most efficient rover
- Studied aeronautic and aerospace methods used for navigating and launching Mars and deep space missions such as Curiosity and Orion
- Researched and analyzed current Mars Mission pathways as well as In-Space Transportation (IST) methods such as Solar Electric Propulsion (ESP), Hybrid Propulsion Systems (HPS), and All-Chemical propulsion system
- Researched and analyzed current Mars Mission Entry, Descent, Landing, and Ascension (EDL&A) methods as well as habitat modules
- Studied integral robotics systems of Curiosity and Twin Rovers such as thrusters and suspension

Volunteer Work

TXT (Mentor)

Mentor

Los Angeles, CA

06/2018 – 09/2018

- Helped inner-city youth gain the skills and knowledge needed to succeed in college and beyond by coaching students on quality assurance, project management, front and backend software development for web and mobile. Mentees worked in groups to pitch their tech ideas to a board of investors.