**­Ruben Anthony Perez III**

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AV professional with expertise in diversified engineering projects within studio, labs, live events.

Quality Assurance testing multimedia software and hardware performance, integration, regression, system.

*Proficient with Windows, MacOS, iOS, Android, and Linux software and hardware terminology.*

Ableton Live 10 Suite, Adobe Audition, Avid ProTools, Cisco WebEx, Command Line Interface (CLI), Crestron Toolbox, Google Hangouts, Logic Pro X, Microsoft Cortana, Microsoft Teams, NI Komplete 11 Ultimate, PowerShell, Python, Skype for Business, UAD Plug-ins, Video Pad, Virtual Dub, Wireshark, Zoom

***Employment History***

**Google Enterprise Chrome OS Operations** (TVC) **/** Virtusa | Bellevue, WA ***December 2019 –* *Present***

**QA Manual Tester (Enterprise Server)**

Tier device performance analysis for customer wayfinding and increase OEM profitability.

* Enterprise Device Tiering; performance experience reviews targeted towards frontline and IT workers.
* Record CPU and Memory utilization, video conferencing, streaming (HD, 4K) performance
* Test Enterprise Chrome OS Dev and Stable Full release builds. Sanity, regression testing.
* Updated Enterprise Enrolled Policies; Devices Chrome Management; User & Browser Settings; Device Settings (laptop, Kiosk, mobile), Managed Guest Sessions Settings, Network Policies, Apps & Extensions Settings, Device Enrollment.
* Virtual desktop/applications (VDI) performance testing with Citrix Workspace and VMware Horizon for Chrome. Wrote P0 feature test case effort in Test Tracker for Full Release testing.

**Google Hangouts Meet** (TVC) **/** Quardev CG | Kirkland, WA ***November 2018 –* *October 2019***

**QA Manual Tester (Multimedia Performance)**

Google Hangouts Meet; competitive product analysis supporting native and web-based product features.

* Test cases include Battery Life power consumption, Test coverage apps include Google Hangouts, Zoom, Microsoft Teams, Cisco WebEx.
* Assist with test planning, test case preparation and execution on Google product features; Web-RTC event logs upload, Grey Box Test Diffractor screen resolution verification, VP8 and VP9 codec performance analysis.
* Shaped Network bandwidth strengths (Wi-Fi and Ethernet) via NetTrol API, network protocol analyzer via Wireshark for High FPS & Maximum AV bandwidth testing. Hangouts P2P AV quality over network degradation.
* Created performance executable to gather data for battery life test case used on Windows and MacOS.
* Feature Release testing on Android, iOS, Windows, MacOS, Google conference room hardware.

**MS Windows Experience Review** (V-) **/** Launch/HCL | Redmond, WA **October *2015 –* *November 2018***

**Senior Audio Test Hardware Engineer II**

Microsoft WER “Cortana” Speech audio test engineer. In-market retail and Pre-release featured OEM devices.

* Engineered Hey Cortana Speech Platform testing; Standard and Premium device classes tested in Near-Field and Far-Field acoustically treated ETSI studio environments testing Ambient, Echo, and Quiet Speech Accuracy assessments.
* File and resolve bugs on software performance functionality, tested against Microsoft Ecosystem Engagement Access Program builds. Ran Manual and Automated tests (Black Box, API).
* Subject matters include: MS/OEM Retail Demo, X-box One Video Game Streaming, device Human Factors, Mixed Reality (MR); Headset and Bluetooth peripherals. Wi-Fi Network testing 802.11 (2.4GHz, 5GHz), Movies & TV rest API testing with PowerShell.
* Tested Microsoft Xbox Adaptive Bluetooth Controller pre-release; device input and response functionality with PDP devices.
* Team Lead of User Customer Satisfaction lab operations July 2016 – July 2017.

**Microsoft AV Link** (V-) / Compass Group | Redmond, WA ***June 2014 – October 2015***

**IT Tier 1 Technician**

Audio Visual maintenance technician of Microsoft campus conference multi-purpose media rooms.

* Ensured optimal performance monitoring room Network IP, WAN/LAN settings, web-cams, microphones, LCDs, and various media components.
* Troubleshoot network issues using Crestron Toolbox addressing network loops, configuring sub-masks, gateways, auto switchers, & processors.
* Used various Extron, Polycom, Crestron hardware and software; load and verify audio video drivers, input program code, modified Extended Display Identification Data (EDID) settings to room specs.

**Dimitriou’s Jazz Alley** | Seattle, WA ***November 2013 – June 2014***

**Live Sound Engineer**

Front of House Sound Engineer, Lighting Designer for Grammy award winning & national performing artists.

* Review band tech rider, stage plot. Load-in, set and strike performance gear.
* Operated two Yamaha M7CL digital audio 32-channel consoles (FOH and stage monitors).
* McCauley PA sound system, Elation lighting console and fixtures, in-house backline equipment.

**Whitlock** | Redmond, WA ***March 2013 – January 2014***

**Audiovisual Installation IT Technician**

Provide system integration, quality control and support audiovisual services.

* AV schematic rack and system fabrication; wiring audio, video, and data cables.
* Solder audio specific gage for XLR, TRS, RCA components, terminate network cable (Phoenix, Cat5/Cat6, BNC). Utilized Extron, AMX, Crestron, Polycom, Cisco software and hardware products.
* Acquired certificate in Elements of System Fabrication InfoComm.

**Microsoft Studios Vidlab** (V-) / Comforce | Redmond, WA ***May 2011 – July 2012***

**Quality Control Video Encoding/Compression Engineer**

Ingests, processed and compressed media content for X-box Movies & TV apps platform.

* Acquired and exercised the fundamentals of video encoding compression skills; contributing to the video pipeline with ingestion of source media, transcoding codec types. AviSynth AvsP tools.
* Processed HHD, HD, SD, and QVGA playback resolutions for VOD (Video On Demand) content.
* Corrected media content; removed bad frames/tape hits, made color corrections, ensured optimal audio levels were met, added major network providers “advertising bumpers”, scaled content to fit screen.

**Education**

Programming with Python Language | 2017 (6 Months) Kal Academy

Associates Degree of Art in Audio Production | 2003 - 2005 Art Institute of Seattle, WA