

CHRIS COVERT

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EXPERIENCE

VIRTULOCITY NETWORKS – SOFTWARE ENGINEER (2019 - 2020)

- Scripting using Linux (Ubuntu, Debian, RHEL, Centos)
- Develop, debug and integrate Linux based OS kernel algorithms, with emphasis on TCP congestion control network protocol stacks such as CUBIC, RENO, BBR and proprietary protocols directly into the kernel and OS stacks.
- Linux virtualization KVM and VMware hypervisor setup/administration using AWS resources for testing code
- Participate in phases of software development and support including architecture, design, coding, unit testing, benchmarking, and performance tuning
- Troubleshooting and resolving technical issues that arise during the development life cycle
- Iperf, Netem, Tshark/Wireshark, Speedtest.net and Solarwinds user experience

UC DAVIS HEALTH – TECHNICIAN (2019)

- System Administrator with top security for UC Davis Active Directory; conduct scheduled backup server operations
- Manage and service IT equipment including desktop computers, laptops, iPhones, and (mobile/LAN) printers
- Install and configure hardware and software components to ensure usability; troubleshoot hardware/software issues
- Complete various service and incident requests using ServiceNow and manage technical documentation

INTEL – ENGINEERING VALIDATION TECHNICIAN (2018 – 2019)

- Perform validation tests on Intel chipsets
- Validate MCP chipset architecture (CPU/PCH)
- Install firmware updates to chips via DediProg
- Verify power management and audio playback
- Execute Python Scripts
- Deploy OS images onto NVMe and SSD drives
- Configure BIOS/EFI driver installations
- Document behavior of SUT and host connections

APPLE – EFFA LAB TECHNICIAN (2017 – 2018)

- Test a range of iOS devices including iPhone, iPad, Apple Watch, Apple TV, and HomePod
- Conduct diagnostics and analytics using MATLAB and custom programs daily
- Execute RF testing for OTA, Bluetooth and NFC Communication
- Measure audio output/input of microphones and speakers calculated on THD, dB levels, & frequency levels
- Work with confidential SOP processes in highly classified environment
- Manage device inventory and lab equipment using FileMaker Pro 16
- Test functional equipment using Gage R&R to measure variability
- Audit and calibrate test fixtures on a weekly basis

EDUCATION

BOISE STATE UNIVERSITY (GRADUATED 2016)

- **Bachelor of Science in Electrical Engineering**
- Minor in Computer Science
- Minor in Applied Mathematics

COURSERA ONLINE CLASSES AND CERTIFICATIONS (2020)

- Google - IT Support Specialization
- IBM - Data Science Specialization
- Stanford University - Machine Learning
- University of California, Davis - SQL for Data Science

SKILLS

- **Test Bench Equipment:** Digital Oscilloscopes, Function Generators, Multimeters, Power Supplies
- **Program Languages:** C, CSS, HTML, Java, MATLAB, Python, SQL
- **Software:** Atmel Studio 7, Eagle CAD, Eclipse, G-Suite, Linux, LTSpice, MS Office, SketchUp
- **Course Work:** Circuit Analysis, Circuit Design, Computer Architecture, Data Structures, Digital Systems, Microelectronic Circuits, Microprocessors, Power Electronics, Signals and Systems