

Employment

Software Engineer	Intel	Dec 2021 - Present
<ul style="list-style-type: none">• DevOps: Kubernetes Docker Ansible Python Jinja Linux AWS<ul style="list-style-type: none">- Maintain and support Intel open-source Container Experience Kit project by adding features and bug fixes- Improved CEK code base by suggesting code best practices and documenting it- Support and maintain Workload Service Framework project- Lead 5G workloads integration, enablement, testing, and optimization on Intel infrastructure- <u>Leveraged Knowledge</u> in Kubernetes, Docker, Python, Bash scripting, Linux, Windows 10, Ansible, Jinja, Git, ssh, Microsoft VS Code		
Software Engineer	ON Semiconductor	Jun 2018 - Present
<ul style="list-style-type: none">• Embedded/Firmware/ Back-end development: C/C++ Qt ARM Bluetooth Low Energy (BLE) UART I2C<ul style="list-style-type: none">- Developed a feature for Strata Developer Studio to communicate to a client wirelessly within a local network- Maintain and support the development of Strata Developer Studio- Developed firmware for bare-metal MCUs to communicate serially with Strata Developer Studio- Developed a firmware with both BLE GAP peripheral/central roles and GATT server/client roles to search, connect, and exchange data with other BLE devices- <u>Leveraged knowledge</u> in C/C++, Qt/QML, CMake, Git, TCP/IP, ARM Coretex-M3 architecture, Memory Pool, debugged using Oscilloscope, Digital Multimeter, and JTAG/SWD debugging interface• DevOps: Docker Jenkins Python Linux Windows SDK Qt installer<ul style="list-style-type: none">- Reduced dependencies conflict by 50% by eliminating multiple OS build support by utilizing Docker- Created and maintained Linux Ubuntu Docker image with the tools/dependencies to build firmware- Automated the build process by using Bash scripts, CMake, and a modified VS Code interface- Reduced start of Strata development time by 90% by making an SDK installer with concise documentation- Reduced building time of Strata Developer Studio by 70% after the initial build- Architect and developed automation process for Strata deployment utilizing Jenkins pipeline- Automated Strata Developer Studio release testing utilizing Python and PowerShell scripts- <u>Leveraged knowledge</u> in Docker, Jenkins, CMake, Windows WSL, JavaScript, Bash scripting, PowerShell, Linux, MacOS, Windows 7, Windows 10, Qt installer, Inno Installer, Microsoft VS Code• GUI and Front-end Development: Qt/QML React Redux MongoDB<ul style="list-style-type: none">- Developed QML interface for MQTT protocol along with a GUI for quick evaluation- Developed a reusable React component to show analytics data in a graph- <u>Leveraged Knowledge</u> in Qt/QML, JavaScript, C++, NPM, React, Redux, MongoDB, HTML, CSS		
Teaching Assistance	Oregon State University	Sep 2016 – Mar 2017
<ul style="list-style-type: none">- Hold weekly student help sessions and plan out homework with other TAs for the computer science II course		

Education

Tempe, AZ	Arizona State University	Mar 2022 - Present
<ul style="list-style-type: none">• Master: Computer Science		
Corvallis, OR	Oregon State University	Apr 2013 – Sep 2017
<ul style="list-style-type: none">• Bachelor of Science: Electrical and Computer Engineering – GPA: 3.36 out of 4		

Skills

Programming Languages: C/C++, QML, Python, JavaScript, HTML, CSS, and Shell scripting (Bash)
Tools: ARM toolchain, JTAG, RTOS, CMake, Git, Docker, React, React Native, Redux, and NoSQL (MongoB)