

MICHELLE X. LIN

EXPERIENCE Summer Tech Help – Bellevue School District

- ♦ Imaged computers with Windows 10 images, replaced computer labs in schools

EDUCATION NEWPORT HIGH SCHOOL, BELLEVUE, WA

June 2018 | Senior

GPA: 3.87/4.0

Relevant coursework

- ♦ AP Computer Science
- ♦ Cisco Networking Academy (CCNA, CCNP, CCNA Security)
- ♦ Web Publishing

Honors

- ♦ Member of National Honors Society
- ♦ National AP Scholar

Clubs

- ♦ FIRST Robotics
- ♦ Bellevue Satellite Club
- ♦ Cisco Project Club
- ♦ Girls Who Code

BELLEVUE COLLEGE, BELLEVUE, WA

Relevant coursework

- ♦ Cisco Networking I – IV (NSCOM 201-204)

CLARK COLLEGE, VANCOUVER, WA

Relevant coursework

- ♦ CCNP Routing, Switching, and Troubleshooting (CT 606H/NTEC 227 – 229)

SKILLS Computer Science

- ♦ Experience and knowledge of both Java and Python languages
- ♦ Experience and knowledge of basic computer science principles such as polymorphism, classes, object-oriented programming, etc.
- ♦ Experience and knowledge in using GitHub and Eclipse, as well as several other programs used in FIRST robotics
- ♦ Experience and knowledge in HTML, CSS and JavaScript (jQuery)
- ♦ Experience and knowledge in Microsoft Word, Excel, PowerPoint, Publisher, OneNote, Outlook, and OneDrive

Cisco Service Project – Antigua

- ♦ Set up and networked 25 computer labs with over 400 computers in schools with Internet
- ♦ Designed network architecture for schools
- ♦ Imaged computers with Windows 10 and Office 2016
- ♦ Fixed both hardware and software on various older computers

Connection Tools

- ♦ PuTTY – Router and switch connection tool
- ♦ Wireshark – Network protocol analyzer
- ♦ VMWare – Virtualization of desktops, applications, tools, and servers
 - Kali Linux for layer 2 attack and mitigation
 - Windows Server 2016 for AAA
 - CUCM – Cisco Unified Communications Manager for VoIP
 - CUC – Cisco Unity Connection for voicemail
 - Apache2 – HTTP and HTTPS servers on Ubuntu
 - Linux – Ubuntu, CentOS, Fedora

- ♦ Cisco AnyConnect
- ♦ Cisco ASDM (Adaptive Security Device Manager) for ASA

Routing Protocols

- ♦ IPv4 & IPv6 Configurations
- ♦ EIGRP
- ♦ OSPF
 - Experience and knowledge configuring OSPF and OSPFv3 in a single area as well as multiple areas
- ♦ DHCP
 - Experience and knowledge configuring both static and dynamic DHCP
- ♦ NAT
 - Experience and knowledge configuring NAT translations, NAT overload, and NAT64
- ♦ BGP
 - Experience and knowledge configuring external and internal BGP, both path vector protocols
- ♦ VoIP
 - Used CUCM to manage multiple phones in a network
 - Music on hold, custom ringtones, voicemail, and calling out to personal cellphones
 - Experience with SCCP, 7940 and 7960 Cisco IP Phones
- ♦ AAA
 - Experience and knowledge configuring AAA on Windows Server 2016 using the RADIUS protocol
- ♦ FHRP
 - Experience and knowledge configuring GLBP, HSRP, and VRRP on routers and layer 3 switches in order to create backup routes in case one fails
- ♦ Policy-Based Routing (PBR)
- ♦ Virtual Routing and Forwarding (VRF) Lite

Switch Functionality

- ♦ Experience and knowledge setting up VLANs, or virtual local area networks, on switches
- ♦ Experience and knowledge setting up access lists, both standard and extended
- ♦ Experience and knowledge setting up port security to secure ports on switches
- ♦ Experience and knowledge configuring 802.1Q trunking on switch ports
- ♦ Experience and knowledge testing and preventing layer 2 attacks using Kali Linux in a VMWare
 - DHCP starvation attack and prevention
 - ARP spoofing attack and prevention
 - MAC address flooding attack and prevention

Device Experience

- ♦ Cisco 2901 & 2811 Routers
- ♦ Cisco 2860, 3750, and 3560 Switches
- ♦ Cisco 7970, 7960, 7940, and 7910 IP Phones
- ♦ Cisco Wireless Access Points
- ♦ Cisco ASA 5505

MAJOR ACHIEVEMENTS



AWARDS

- ♦ Varsity letter in robotics, both freshman and sophomore year

ACCOMPLISHMENTS

- ♦ Placed 47th in the nation in Cisco NetRiders for CCENT
 - Only female in Newport Cisco Academy who advanced to finals
- ♦ Certified Cisco Network Associate (CCNA) with a score of 883

ADDITIONAL SKILLS

- ♦ Chinese & Spanish: Conversational
- ♦ Excellent typist: 90+ WPM
- ♦ Extensive experience and knowledge in making Ethernet cables