Sophia Zhang

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# MISSION STATEMENT

Seeking an intern position in the computer science and/or engineering field that would challenge me and expand my knowledge. I will put in my best effort to reach your objectives.

# EDUCATION

## Washington University in St. Louis 2027

Major: Computer Science and Economics

## Newport High School (GPA: 3.896/4.0) 2023

EXPERIENCE

**Camp Counselor, Boys and Girls Club of Bellevue, 07/2021**

• Responsibilities: set up / clean up table activities, serve snacks, monitor students through games, crafts, reading activities, and mentor students through social interactions

• Ensured that camp policies were enforced, and campers were safe

• Collaborated with 3 other camp counselors to help camp staff ensure that camp ran smoothly

**Volunteer teacher, Beijing Education Support Program, 02/2019 -- 08/2019**

• Collaborate in weekly meetings with 11 peer volunteer teachers to design and plan a week-long summer camp for underserved elementary schoolers in Beijing, China

• Lead and taught daily English classes to young, underprivileged children in China

• Created a memory book to recap team experience after volunteering in China in order to inspire future volunteers

**French tutor 11/2020 – 6/2022**

• Weekly tutoring sessions with middle school students

• Assisting with French homework and questions

ACADEMIC Classes/Projects

**Cisco Networking, Newport High School, 09/2021 — 06/2023**

Configured:

* Palo Alto Firewalls:
* Factory reset and configured PA-220 and PA-410 firewalls for a small office/home office with protocols such as DHCP, NAT, ARP, and CAPWAP.
* Updated software and operating systems
* Set up a site-to-site VPN connection using a root certificate along with SHA516 hashing and aes256 encryption
* Captured encrypted ESP packets with Wireshark
* Configured a clientless and remote access VPN connection to simulate an offsite connection
* pfSense Firewalls:
* imaged a device to serve as a pfSense Firewall in a SOHO setting
* Configured the pfSense Firewall to support remote desktop
* Cisco ASA:
* Factory reset and configured a Cisco ASA for a small office/home office environment using the Cisco ASDM and Java
* Configured a clientless VPN connection to simulate an offsite connection

**AP Computer Science A (Java), Newport High School, 09/2021 — 06/2022**

• Demonstrated understanding in program development cycle, program syntax, writing code techniques

• Projects:

o Frog Simulation project, which programmatically simulates frog hopping in Java

o RestaurantTableManager, which programmatically manages tables in a restaurant in Java

o ClubMember, which programmatically manages club members in Java

o Other small projects in java, ex. WordPairList, CodeWordChecker, ArrayTester, WordMatch

**AP Computer Science Principles, Newport High School, 09/2020 – 06/2021**

* Collaborated with others to make a mini project on Scratch: Flappy Bird mini-game
* Scratch project: vocabulary word study that allowed students to enter personalized vocabulary words and definitions into the program, which would provide a personalized practice quiz

**Hacktoberfest, 10/2021**

• Submit three successfulpull requests on others’ projects on Github in the month of October

**Other Advanced Placement (AP) Classes:**

AP World History

AP Chinese Language and Culture

**AP Chemistry**

AP United States History

AP Language and Composition

**AP Computer Science Principles**

AP US Government and Politics

**AP Calculus AB**

**AP Physics 1**

**AP Computer Science A (Java)**

**AP Microeconomics**

**AP Macroeconomics**

**AP Statistics**

**Advanced Calculus (AP Calculus BC)**

CERTIFICATIONS

* MTA (Microsoft Technology Associate) for Introduction to Programming using Java
* President’s Volunteer Service Award -- Gold
* WA State Seal of Biliteracy

SKILLS

* Proficient in Cisco router and switch configuration, Scratch, Word, Excel, OneNote, PowerPoint, Markdown, HTML, XML
* Familiar with Java, Git, Python, Cisco networking,
* Understanding OSI Model and TCP/IP Model, WAN, LAN, NAT, VPNs

LEADERSHIP

**Captain of Newport High School Drill Team**

• 2nd place at Washington State Championship (2021-2022, 2022-2023)

• Academic State Champions (2019-2020, 2021-2022)

• Collaborated with coaches and 4 others to choreograph, design, and create state routines and school performances

• Instructed drill team members on skills and giving constructive feedback to peers in an effective and kind manner

• Lead all drill team practices

• Organized and planned team bonding events

• Facilitated outreach for the team: social media, club fair events

**Lead position in French club at Newport High school**

• Collaborated with 4 others to ensure club meetings ran smoothly

• Initiated and managed club meetings and activities

• Created social media posts and flyers for French club