

EDUCATION

I am currently a student at **Sentinel High School** in Missoula, Montana. I enjoy taking a broad range of classes, from Arabic and AP English to Computer Science and AP Physics.

At college, I hope to study **Computer Science, Physics, and Arabic**. I see the greatest value in the combination of a rigorous STEM curriculum tempered with the insight provided by studies in the humanities.

4.0

UNWEIGHTED GPA

15

AP / HONORS CLASSES

1ST

CLASS RANK

FREE & OPEN SOURCE PROJECTS

HURUF

Huruf is a Chrome Extension that makes Arabic, Farsi, and many other languages easier to read online by replacing small, obfuscating fonts with larger and easy-to-read styles, making these languages more accessible to everyone.

FOREIGN LANGUAGE STUDY

SPANISH

5 YEARS

He estudiado Español dentro y fuera de la escuela por cinco años. En mi clase de AP Español, hablamos sobre temas interdisciplinarios como la filosofía, la belleza, la falta de recursos, y la historia.

ARABIC

3 YEARS (1 IN MOROCCO)

أنا درست اللغة العربية في معهد مونتانا الصيفي للعربية لستين، والآن أدرس الفصحى واللهجة الشامية في مدرستي. سأذهب إلى المغرب وسأدرس اللغة العربية هذا الصيف.

ITALIAN

3 YEARS

La mia scuola non ha una classe d'italiano, così io studio la lingua su internet, con il sito "Duolingo". Per tre anni ho studiato la bella lingua mentre traduco articoli su web.

FRENCH

2 YEARS

J'aime bien la langue française. Comme l'italienne, j'étudie le français pour l'internet avec "Duolingo".

HEBREW

1 YEAR

ברוך אתה ה' א-לוהינו, מלך העולם, אשר קדשנו במצותיו וצונו להדליק נר של חנוכה.

WORK EXPERIENCE

FREELANCE DEVELOPER

PRESENT

I work as a freelance consultant, assisting clients in designing both client-side and server-side applications, as well as performing security audits of web sites to ensure their integrity.

BRAINZONE EXPLAINER

SUMMER 2015

I worked at the University of Montana's BrainLab at the SpectrUM Science Center, explaining topics in neuroscience to young kids, leading activities like brain dissections, and learning quite a few things myself about neuroanatomy and developments in cognitive research.

SERVICE

EAGLE SCOUT PROJECT

As part of my Eagle Scout Project, I built and placed nest-boxes for Mountain Bluebirds in the Bitterroot Valley. To help the Bitterroot Audubon Society, I also gather nesting data to measure population success.

BITWISR EDUCATION

Building upon the national push to bring computer science education to students, I am developing a free and interdisciplinary CS curriculum, combining resources and sample code on GitHub with fun overviews on YouTube with the goal of making CS education free and accessible to everyone.

COMMUNITY SERVICE

In service to my community, I participate in and lead a wide variety of service projects, such as riverside trash pickups, repairing facilities at the Missoula Historical Society, and teaching volunteer classes.

LEADERSHIP

PRESIDENT OF AMNESTY INTERNATIONAL

2015 - PRESENT

As president of my school's Amnesty International chapter, I help coordinate events, such as presentations and letter writing campaigns, to protest human rights abuses.

HUGH O'BRIEN YOUTH LEADERSHIP TRAINING

SUMMER 2015

HOBY is a national program that works with students to develop and apply leadership skills to community service and team communication.

LEADERSHIP (CONTINUED)

FOUNDING MEMBER OF COMPUTER SCIENCE CLUB 2015

In my Sophomore year I helped to found my school's Computer Science club. We work to find new programming challenges and competitions to enter, and meet weekly to practice and discuss new topics in CS. Since its founding, membership has risen fourfold.

SENIOR PATROL LEADER 2011 - 2013

I served as my troop's SPL - the highest position that exists within a Boy Scout Troop, responsible for leading every troop meeting and campout.

NATIONAL YOUTH LEADERSHIP TRAINING SUMMER 2012

NYLT is a scouting program covering how to effectively apply leadership to varied situations and teach others in a meaningful way.

EXTRACURRICULAR ACTIVITIES

BIRDING 172 SPECIES

I grew up looking through a pair of binoculars. I love seeing new bird species, learning about the importance of habitat conservation, and contributing to Citizen Science projects like eBird, the Great Backyard Bird Count, and my own Eagle Scout Project.

GUITAR 7 YEARS

I love to play music on the guitar, having taken lessons since I was 9 years old. I play in both Classical and Rock styles, and especially enjoy writing my own arrangements of songs.

BOY SCOUTS 6 YEARS

I started my scouting journey as a Webelos Cub Scout, and have since risen through the ranks to teach younger scouts about leadership, civic, and outdoor skills.

BRAIN BOWL 4 YEARS

I've been a part of Sentinel's Brain Bowl Team for 3 years, competing throughout the state in academic trivia competitions and personally earning the highest scores on the placement tests in the state.

SPEECH & DEBATE 3 YEARS

I am a part of my school's Speech and Debate team, competing in Policy and Public Forum Debate. This past year, my partner and I won 2 tournaments, and I received the best speaker award in the state.

COMPUTER SCIENCE CLUB 2 YEARS

I am a founding member of my school's CS Club, which aims to explore topics in programming and send teams to various competitions across the state.

SPARTAN AMBASSADORS 2 YEARS

Since my Sophomore year, I have served as a mentor to new students to Sentinel High School, building a sense of community while aiding Freshmen in choosing classes and even leading study sessions before Finals Week.

AWARDS & RECOGNITION

NSLI-Y SCHOLARSHIP SUMMER 2016

I received a National Strategic Language Initiative for Youth Scholarship from the U.S. Department of State, awarded to only 600 students, to study Arabic in Morocco at an intensive language acquisition school.

RMC PROGRAMMING COMPETITION 2015 - 2016

For 2 years, I have led Sentinel's CS team to 1st place awards in all-day state and regional programming competitions hosted by Rocky Mountain College.

MCTM MATH COMPETITION 2011 - 2016

I have attended the University of Montana's MCTM math competition for 5 years, each time scoring in the top 15% of students in my grade level.

CYBER PATRIOT 2016

As a member of Sentinel's Platinum Team, I earned 1st place ranking in Montana in the the statewide cybersecurity challenge created by Northrop Grumman and the U.S. Air Force.

EAGLE SCOUT 2015

I earned the rank of Eagle in Spring 2015 after completing my Service Project and defending my accomplishments in front of the Montana BSA Council.

CYBER TRIATHLON 2015

Leading the only high school team to compete in the Cyber Triathlon, a hacking competition hosted by the University of Montana, my team and I took first place against both Undergraduate and Graduate teams.

CARSON SCHOLARSHIP 2011 - 2015

I was the first recipient in Missoula of this national scholarship, awarded to students who demonstrate a combination of exceptional academic determination and humanitarian service.