

Samuel Freisem-Kirov

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Work Experience

Jun 16 - Jul 17

Tech Office Intern

10635 NE 38th Pl, Kirkland, WA
The Eastside Preparatory School
Grades 10,11
30 Hrs/Week
Total Hours: 160

I interned at my school's Tech Office during the summer after tenth and eleventh grade. I was tasked with supply organization and the imaging of school computers my first year as an intern. My second year, I repaired and constructed 3D printers and successfully created a server which they could be accessed remotely, as well as being responsible for designing website for the tech office.

Extracurricular Activities

Sep 15 - Present

Fusor Club

Grades 10,11
4 Hrs/Week
Total Hours: 240

Fusor is the name of an extra curricular activity that I participate in. One of the club's main goals is to build a nuclear reactor classified as a Farnsworth Fusor. Put simply, it achieves fusion by throwing two deuterium ions at each other, creating a Helium isotope and a neutron. To be accepted into the club, one must go through the process of researching and writing five papers about basic kinematics, atoms, particles/radiation, electricity, and the Farnsworth-Hirsch Fusor. This was a requirement because the leader of the effort wanted us to be educated in nuclear physics to be prepared to build a fusion reactor. My first year in the club was the year that the club was created. I spent that year mainly doing research on the charged grid designs and the optimal circumstances for fusion. My second year with Fusor, I was on the computational modeling team, where we created a simulation of electric field generated by different grid designs. We also created a program the uses the info gathered on the electric field to plot the paths of deuterium ions depending on their starting points.

Sep 15 - Present

Robotics

Grades 10,11,12
8 Hrs/Week
Total Hours: 450

The robotics team at my school competes in the local FTC league. We design and create parts using engineering software and 3D printers. In 2016, we built a robot that placed 11th in the state competition among over 150 teams.

Sep 08 - Present

Chess

Grades 6,7,8,11
2 Hrs/Week
Total Hours: 410

I am a current member of the USCF. I played chess for my elementary and middle school chess team. We competed at a state and national level. Our team placed well at Nationals on multiple occasions. My high school did not have a team until I was in junior year, when a close friend and I went to Nationals as a two person team.

Skills/Academic Achievement

Dec 03

Fluent in Russian

Skill Level: Advanced

Russian was my first language. This was at first a barrier for me, preventing be from learning English as easily as my peers. but now I see it as a skill which benefits me because in addition to being able to communicate with most people from eastern Europe, it gives me a broader outlook on the world.

Athletic Achievement

Aug 14 - Oct 15

Ultimate Frisbee

Grades 9,10
10 Hrs/Week
Total Hours: 200

Played for the Eastside Prep Ultimate Frisbee team Freshman and Sophomore year. Ultimate Frisbee is a sport that relies on teamwork.

Dec 11 - Present

Expert Telemark Skier

Grades 7,8,9,10,11,12
6 Hrs/Week
Total Hours: 700

I have been a passionate skier since I was very young, both of my parents are excellent skiers. My mother is a telemark skier and she is the one who inspired me to start telemark skiing at the age of eleven. I could already alpine ski at a double black diamond level so I became one of the handful of eleven year old Telemark skiers.

Sep 13 - Present

Triathlons

Grades 9,10,11
2 Hrs/Week
Total Hours: 40

Member, USA Triathlon. Participated in ten sprint triathlons over the last five years. I finished first place in age group U19 at the age of 15 in the Lake Meridian Triathlon.

Jun 11 - Present

Swimming

Grades 6,7,8,9,10,11
6 Hrs/Week
Total Hours: 300

I have participated on multiple swim teams such as the Cascade Swim Club and the Green Lake Summer Swim team.

References Available Upon Request
