**Goals and Interests**

I am a motivated and well-rounded student with a keen interest in computer science. My position as the robotics team captain, my work on the "Mainstream" water sculpture, and my work at the UW demonstrate my passion for technology. Ultimate Frisbee, piano, and computer-related volunteering highlight my wide range of interests.

I expect to study computer science or applied math in college. After I graduate, I would like to attend graduate school or work for a technology startup. I enjoy tackling difficult and interesting problems with the aid of technology and hope to find a job where I can work on these kinds of challenges.

**Employment / Volunteering**

Internship at University of Washington Ubiquitous Computing Lab [https://ubicomplab.cs.washington.edu/raincheck], 35 hours per week. Used raw touchscreen data from Nexus 5 phone to improve performance of touchscreen when wet: 11

Programmed "Mainstream" interactive waterfall sculpture for school's new building, 4 hours per week. Images posted on "Mainstream" website are projected as a collage onto waterfall: 11, 12

Programming tutor for 12-year-old, 4 hours per week. Taught Python, Unity and Arduino: 11

Web design volunteering for Wallingford Senior Center, 3 hours per week. Created donation popup and improved site layout: 11

Programming volunteering for Washington Trails Association, 4 hours per week. Built program to search for hiking trails online, convert them to a usable format, and display them on Association website: 11

Two week service trip to New Orleans to build houses and restore wetlands: 11

**GPA and Honors / Advanced Courses**

Cumulative GPA: 3.96 (unweighted)

Honors History: 11, 12

Honors French: 10, 11

Honors English: 11, 12

Calculus: 11, 12

Polymer Engineering Independent Study: 11

Robotics Independent Study: 12

Three programming classes, served as unofficial TA and worked on independent project: 10, 11

**Honors and Awards**

All A's: 9, 10, 11, 12

JV Soccer Most Valuable Player Award: 11

First Tech Challenge Robotics

First place at regionals, competed at state: 10

Finalist alliance at regionals: 11

Second place Inspire Award at regionals, advanced to state: 11

Think Award winner at state (recognizes outstanding engineering notebook): 11

Second place Inspire Award at state (recognizes great engineering notebook, teamwork, sportsmanship): 11

Finalist alliance captain at state, advanced and competed at super regionals: 11

Dean's List finalist (award for outstanding individuals in robotics) at worlds: 11

Robotics team captain: 12

Crew

Placed first at regionals in four man novice boat: 9

Placed second at regionals in four man U16 lightweight boat: 10

Placed third at regionals in four man JV boat: 10

**Extracurricular Activities**

Varsity robotics: 10, 11, 12

Varsity ultimate frisbee: 10, 11, 12

Weekly piano lessons and biannual recitals: 9, 10, 11, 12

Varsity crew: 10

Varsity speech and debate team: 11, 12

Two week National Outdoor Leadership School (NOLS) whitewater kayaking trip: 11

Recreational skiing (since age 6)

JV soccer: 11