I am a motivated, well-rounded student who excels at public speaking, programming and athletics. Sports and robotics club have given me valuable experience working in groups, while independent programming projects have strengthened my initiative to see projects to completion. You can learn more about me at isaaczinda.com.

**Education**

Junior in High School at Seattle Academy with a 3.96 GPA. Workload includes 5 honors classes (including Calculus, Biology, History, English, and French), Speech and Debate, and multiple programming classes.

**Experience**

* *Volunteer Wallingford Senior Center web designer*: Created donate popup, fixed page layout, wrote site content.
* *Seattle Academy High School*: Building website to display students’ posts on a waterfall projection system in the school lobby. Server written in Node.js, site created with jQuery.

**Seattle Academy First Tech Challenge Robotics Club (2012 – Present)**

Past two years on varsity team, 2015 head programmer on varsity. Worked with a group of eight peers to design and fabricate a robot from scratch in three months. Projects included:

* Wrote autonomous code utilizing gyroscopic, color, and infrared sensors as well as encoders.
* Wrote a library to interface with PID motor controllers through I2C industry standard protocol.
* Built robot’s entire telescoping arm and collaborated with teammate to build robot’s ball collector.

Awards:

* + First place in district, fifth place in state in 2014.
  + second place in state, advanced to superregionals 2015.
  + One of three Dean’s List Semifinalists (for outstanding individuals in robotics) district competition 2015.

**Independent Projects**

* Taught myself Javascript, Node.js, C#, Python, and C.
* Built a robot controllable over intranet with arm and video streaming. Video protocol written in Node.js and C#.
* Created 3D library from scratch in Python. Supports wireframe rendering from STL files, matrix rotation and translation. Uses NumPy for hardware acceleration.

**Programming Classes**

* Took Seattle Academy Software Development class twice. In the second year became teacher’s unofficial assistant and wrote all server-side code for class-wide projects in Node.js the second year.
* Two-week DigiPen programming class, built version of popular game *Centipede* in C# for class final project.
* Built inverse kinematic robotic arm as independent project in robotics class. Arm controlled by computer over Bluetooth running C server-side and C# client-side.

**Extracurricular and Hobbies**

* *Piano*: Twelve years of weekly lessons and biannual recitals.
* *Crew (four person boat)*: placed first at Regionals 2013. Placed second and third at Brentwood Regatta 2014, third at Regionals.
* *Ultimate Frisbee*: Played for junior varsity fall 2013, varsity team 2014 and 2015.
* *Service*: Two-week New Orleans service trip building houses and restoring wetland 2014.
* *French*: 3 years high-school French (currently French 5), hosted French exchange student summer of 2013.
* *Speech and Debate*: Research new topic and prepare case with partner each month, compete in bi-annual tournaments.