Course resumes showcase the technical skills students obtain in each PLTW course. Each resume outlines the computational skills, analytical skills, and knowledge acquired in the course. Course resumes also detail student experience with tools, software, lab work, and engineering design. The detailed skills listed within course resumes illustrate the immediate, applicable contributions that students can make within a workplace.

Program Design and Development
- Create programs using procedural, event-driven and object-oriented programming (OOP) paradigms
- Design a user interface (UI) based on human-computer interaction (HCI) principles
- Use image processing to control program flow and vehicle movement
- Debug and test code

Web Development
- Use Django® to develop website applications

Interpretation of Documentation
- Create task reflection with the Interpreted Performance Guide
- Create task reflection with the Interpreted Performance Guide Response Template
- Use application programming interfaces (APIs)

Programming Languages
- MIT App Inventor based on Blockly
- VEX® Coding Studio based on RobotC
- *Python®*
- HTML/CSS

Tools and Software
- MIT App Inventor based on Blockly
- VEX® Coding Studio based on RobotC
- Cloud9

Professional Skills
- Pair Programming
- Agile Project Development/Scrum
- Accountability to a team
- Collaboration on design and implementation
- Presentation/Communication
- Public Speaking
- Ethics