Ryan Tse

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▬▬▬ Education

2015–Present	**High School**, *Montgomery Blair High School Magnet Program*, *Junior Year*.
	Classes:

- Magnet Analysis 1 (equivalent to AP Calculus BC)
- Currently taking Magnet Multivariable Calculus
- Currently taking Magnet Linear Algebra
- Currently taking Magnet Computational Methods

▬▬▬ Experience

2017–Present	**Blair Cubesat Team Engineer**.
	Developing the communication stack and attitude control system for Blair Cubesat Team.
2017–Present	**MBHS Systems Team Modeler**.
	Developing a pollen distribution model to predict pollen concentrations based on satellite imagery of a region's ecological and geographical features.
Summer 2017	**SEAP**, *Naval Research Laboratory*.
	Researching neural network based approaches to vehicle trilateration.
2016–2017	**FRC 449 Software Lead**.
	Developing drivetrain control and automation software and managing the software team.
2015–2016	**FRC 449 Software Developer**.
	Developing simple robot functionality and the modular framework for FRC 449's codebase.
2012–Present	**Boy Scout**, *Troop 1449*.
	Life Scout, Assistant Senior Patrol Leader, and former Troop Quartermaster

▬▬▬ Computer skills

Languages	C, C++, Java, Python, Matlab
CAD	Autodesk Inventor, Autodesk AutoCAD
Office Suites	Microsoft Office Suite, LibreOffice Suite, LaTeX

▬▬▬ References

Teachers

- Jeremy Schwartz
- William Rose

Scouting

- Ransom Ratcliff
- John Beach

More available upon request.