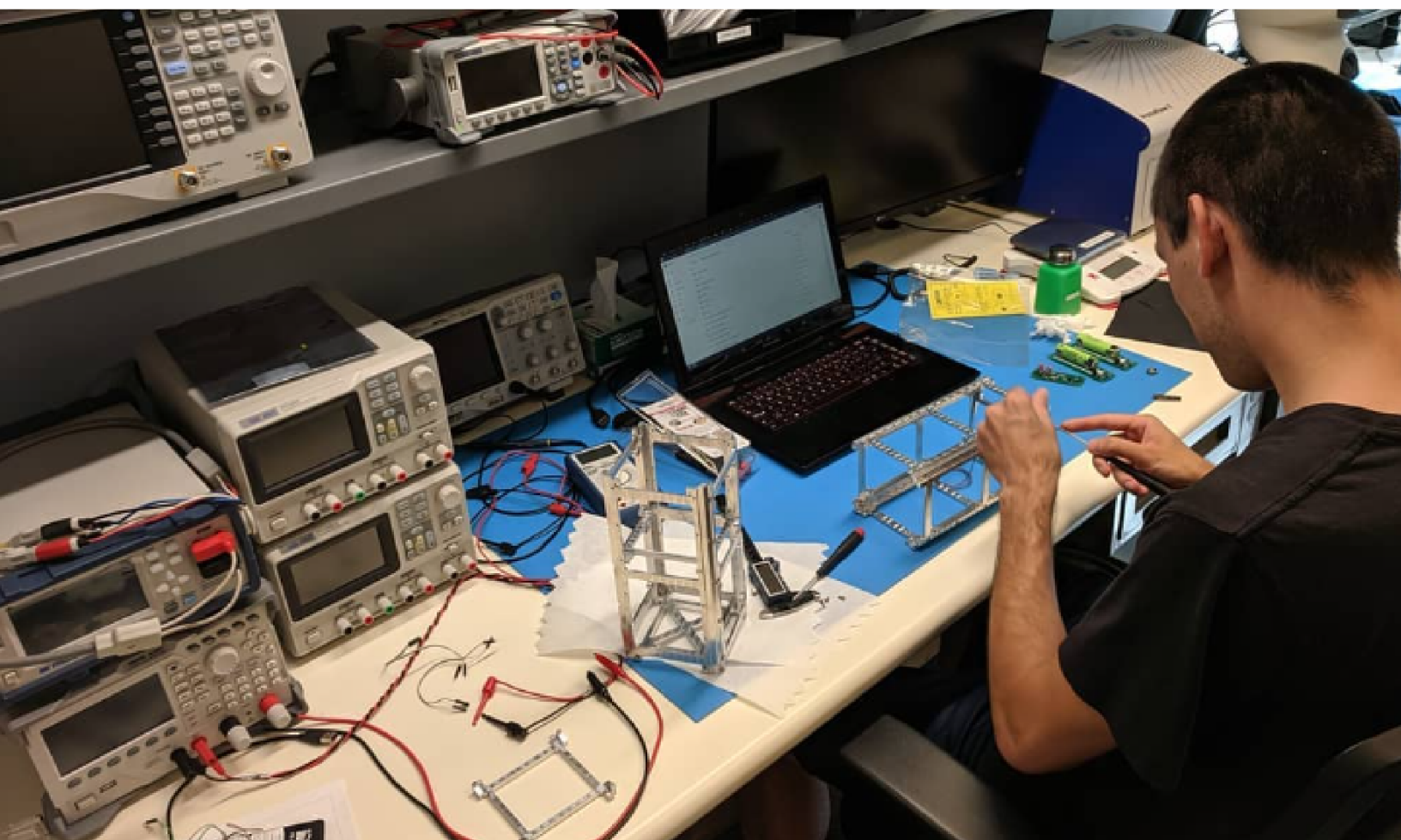


HOW IT HELPS THE FUTURE

The entirety of the spacecraft was designed in-house by students and full-time researchers, with the majority of the subsystems and components being developed, manufactured, and tested in-house at UVic and UBC. Students involved do not only get hands-on experience with mission design, systems engineering, and mission operations, but the entirety of the low-level mechanical, electrical, and software engineering of the spacecraft components.



All designs, test data, and flight telemetry will be published free to use during the mission to encourage reuse and community involvement in future CubeSat missions.

The ORCASat project strives to reach as many students as possible, working with students from local high schools, colleges, and universities in British Columbia to offer an unmatched opportunity for learning by doing.