David Schooler
Electrical Engineering/Business Administration
Innovation Fellows Program - University of Florida
Herbert Wertheim College of Engineering/Warrington College of Business

David Schooler is a junior at the University of Florida's Herbert Wertheim College of Engineering, pursuing an undergraduate degree in Electrical Engineering aloing with a minor in Business Administration from the Warrington College of Business.

Throughout his time at UF, David has been involved in research positions and leadership roles that focus on his combined interests in electrical engineering and business management for large scale projects. As an undergraduate research student in Dr. Riccardo Bevilacqua's lab for little under a year, David was tasked with a research project that focused on creating a CubeSAT with the goal of testing the performance of experimental cryogenic selective surface samples in low-earth orbit. The Passive Thermal Coating Observatory Operating in Low earth orbit (PATCOOL) is a NASA-contracted CubeSAT, the 4th ever to be created and launched from UF. David specifically worked on PCB schematic design as well as hardware in loop testing for the entire avionics stack, including power management, signal processing, communications, and command-handling. He also led bi-weekly meetings with NASA engineers to present current and future progress to satisfy contractual obligations and meet all timelines. The satelittle is set to launch in December 2021 and deploy January 2022 to conduct its 72-hour mission time, collecting thermal samples each minute and sending it live down to Earth.

Along side the research he has performed, David also acts as a sub-team lead for UF's Gatorloop Design Team. There he works on developing innovative hyperloop technology based off of Elon Musk's proposed method of transportation that will create commercial high-speed cross-country travel using pod systems. The team is set to compete in international competitions in Spring 2022. David's day-to-day consists of his job as an IT Assistant for the Academic Advising Center in the College of Liberal Arts and Sciences. There he manages the computer network and ensurses daily functionality for a group of 60 faculty and staff, as well as upholding all UF policies. He believes his involvement in the three largest colleges of the University of Florida provides and holistic skillset with a variety of networking opportunities. He aims to continue his desire to learn by pursuing a Master's of Science in Entrepreneurship at the Hough Gradaute School of Business and go onto to use his skills to lead and create a venture that will promote a greater sense of self-expression and create more safe-spaces for communities.