

Education	University of Nevada, Las Vegas <i>Graduation 2022</i> <ul style="list-style-type: none">- Computer science major Mathematics minor GPA: 4.0- Engineering Sophomore of the Year
Work Experience	CubeSat GNC Lead <i>Sep 2020 - Present</i> <ul style="list-style-type: none">- Leading a team of ten students in the development of control software for a CubeSat with an optical interferometry experiment- Implementing B-Dot detumbling algorithm and mission-critical pointing with reaction wheels- Helped start team and secure \$36,000 in funding
	United Launch Alliance <i>May 2020 - Aug 2020</i> <i>Fluids Software Intern</i> <ul style="list-style-type: none">- Expanded valve telemetry in piping and instrumentation software- Updated control logic for Vulcan rocket tanking phases and purging regulators- Built launch support script for integrated fluids team- Supported fluids team in Mars 2020 Wet Dress Rehearsal and Launch
	SEDS (Students for the Exploration and Development of Space) <i>Sep 2018 - Present</i> <i>Payload and Avionics Programmer</i> <ul style="list-style-type: none">- Built autonomous and redundant payload deployment and rocket recovery systems- Programmed payload to automatically inflate upon impact with the ground- Assisted in the creation of flight-critical circuits, including nichrome wire release mechanism- Lead development of reaction wheel, implemented on supersonic competition rocket- Designed and developed club website
	Intellimind <i>Apr 2019 - May 2020</i> <i>Software Developer Intern</i> <ul style="list-style-type: none">- Built a native Privileged Access Management program- Developed a crawler tool which collects data from unique sites and reports findings in real-time- Built PDF and I.D. recognition platform- Utilized Amazon Web Services to support development and deployment of applications
	Rocket reaction wheel <ul style="list-style-type: none">- Created sub-scale test platform to simulate induced torque on rocket- Categorized system to provide airframe team with maximum roll tolerance- Built and programmed control logic on mission-specific hardware Telemetry visualizer <ul style="list-style-type: none">- Developed visual interfaces for desired sensor readings- Tested with logged data and upgrading system to work with real-time telemetry Goodnight Light <ul style="list-style-type: none">- Created matching lights with buttons for my girlfriend and I to say goodnight to each other while separated over the summer- Built API that hardware could communicate through and deployed it on a web server- Designed PCB to implement finalized circuit
Personal Projects	
Skills	<div><div>- C / C++ / Python</div><div>- Embedded programming</div><div>- Electronics</div><div>- Model rocketry</div><div>- Applied math</div><div>- Bilingual in Russian</div></div>

Check out my projects! victortaksheyev.github.io/portfolio/