Victor Taksheyev

victortaksheyev.github.io/portfolio/
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Education

University of Nevada, Las Vegas *Graduation 2022*
- Computer science major | Mathematics minor | GPA: 4.0
- Engineering Sophomore of the Year

Work Experience

United Launch Alliance *May 2020 - Aug 2020*

Fluids Software Intern
- 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) *Sep 2018 - Present*

Payload and Avionics Programmer
- Built autonomous and redundant payload deployment and rocket recovery systems
- Programmed CubeSat 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 *Apr 2019 - May 2020*

Software Developer Intern
- Built a native Privileged Access Management program to replace previous commercial software
- Developed a website crawler tool capable of collecting data from dozens of unique sites and reporting findings in real-time
- Built PDF and I.D. recognition platform
- Utilized Amazon Web Services to support development and deployment of applications

Personal Projects

Rocket reaction wheel
- 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
- Developed visual interfaces for desired sensor readings
- Tested with logged data and upgrading system to work with real-time telemetry

Goodnight Light
- 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

Skills

- C / C++ / Python proficient	- Embedded programming	- Electronics
- Model rocketry	- Applied math	- Bilingual in Russian

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