Aaron Jevitt

Computer Engineer

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Professional Experience

- **Jacobs Engineering** — Kennedy Space Center, FL
  Software and Controls Engineer — *May 2022 - Present*
  - **Lead Software Developer**: Lead a team of 5-10 engineers in completing software development tasks and meeting critical deliverable deadlines.
  - **Rockwell Software Suite**: Created and tested PLC software and HMI displays for Ground Support Environmental Control System for Artemis program.
  - **JavaScript/HTML, Python, VB6/VBA,** : Created several tools to aid in development of PLC software using browser-based JavaScript and HTML. Automated several repetitive tasks with Python and Excel VBA
- **Self Employed** — Merritt Island, FL
  Front Ensemble Technician, Soundscape Designer — *May 2018 - Present*
  - **Front Ensemble Technician**: Teach Music and Instrument fundamentals to High School Front Ensemble students
  - **Soundscape Designer**: Programming of patches for High School Marching Band Synth for half time performance. Design and assemble portable PA systems for High School Marching Band.
- **Jacobs Engineering** — Kennedy Space Center, FL
  Engineering Intern — *May 2021 - May 2022*
  - **Controls Engineering Intern**: Developed testing methodologies, test procedures, and PLC code/HMI screens for Artemis Program.
- **StangSat Club** — Merritt Island, FL
  Various Roles — *June 2014 - May 2017*
  - **Student Systems Engineer**: Managed a team of 10-20 students building a CubeSat that was flown June 2019 on Space X Falcon Heavy.
  - **Student C&DH Lead**: Lead a team of students to develop embedded system software in C for CubeSat Mission collecting real-time sensor data to characterize launch environment.

Education

- **University of Central Florida** — Orlando, FL
  Bachelor of Science with Honors in Computer Engineering; GPA: 3.25 — *Aug. 2017 – May 2022*

Honors

- **Best Interdisciplinary Senior Design Project Award** — Orlando, FL
  UCF Senior Design Showcase — *Apr. 2022*
- **Best Senior Design Project Demonstration Award** — Orlando, FL
  UCF IEEE Photonics Society — *Apr. 2022*
- **Dean's List** — Orlando, FL
  University of Central Florida — *Dec. 2017, May 2020*

Projects

- **Portable Fluorometer for Lyme Disease Detection**: Affordable, battery powered, WiFi-enabled fluorescence sensor for Lyme Disease Antibody Detection. Designed PCB and firmware for Senior Design Project.
- **Thermal Vacuum Oven Controller**: Designed touchscreen controller for thermal vacuum oven controller that could control temperature of 3 heaters independently for use in acrylic vacuum forming.
- **StangSat CubeSat**: Involved in Mechanical design, Software design, project management, and testing of a student built CubeSat that measured shock and vibration in launch environment.

Programming Skills

- **Languages**: RSLogix, Python, JavaScript, C++, C#, C, Java, VBA, Haskell, Perl