

March 15, 2025

To Whom It May Concern:

I am writing to express my interest in the Flight Software Engineer Intern position for Fall 2025 at Relativity Space. My name is Golden and I am currently a Junior studying Computer Science at the University of Central Florida (UCF). After learning about your team's mission to develop software that autonomously controls all parts of the rocket from launch to orbit, I am eager to help advance the future of aerospace technology and create practical, mission-critical software. I was thrilled to learn about your previous internship projects involving flight computer hardware, custom avionics boards, and implementation of algorithms, and I would be really excited to work on any one of them. I believe my skill set strongly matches what your team is looking for.

During my time at UCF, I have been able to build large reliable software using system architecture techniques with large teams. For instance, I led a team of 6 to build a mobile and web app in 6 weeks while ensuring efficient page queries with lazy loading. Additionally, I currently work at UCF writing software, working actively with a team of 30 people. The software we write is used by students and faculty, consisting of up to 70,000 people, so making reliable software is always one of our top priorities. My experience aligns perfectly with your need for someone who understands what it means to develop reliable software following best practices around code quality and testing.

Throughout my programming experience in projects, organizations, and classes, I have gained experience writing software from low-level systems to high-level applications, making me a versatile programmer. My classes have given me a strong foundation in low-level programming, particularly in C and C++. In my classes, I have written a mini processor and compiler for a language in C. I was also on the UCF Programming Team, where we extensively used C++ to optimize our programs, helping us rank 13th out of 119 teams at ICPC regionals. Additionally, I am capable of writing software at high levels of abstraction. I have written multiple full-stack applications using frameworks such as React with JavaScript and Django with Python.

I have attached my resume along with this email. I would love to schedule an interview anytime to discuss more about my background and how I could contribute to your team. Please feel free to contact me anytime through my email at goldenlin0909@gmail.com or my number at 954-888-8272.

Sincerely,
Golden Lin