

Job Posting:165342 - Position: S25 Embedded Software Engineer Intern 165342B E1

Co-op Work Term Posted: 2025 - Summer
App Deadline 03/03/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 02/11/2025 10:33 AM
Job Posting Status: Expired

ORGANIZATION INFORMATION

Organization Skydio
City Redwood City
Province / State CA

JOB POSTING INFORMATION

Placement Term 2025 - Summer
** Job Title ** S25 Embedded Software Engineer Intern 165342B E1
Position Type Co-op Position
Job Location San Mateo, CA
Country USA
Duration 4 months
Salary Currency US
Salary 0.0 per hour for 0 Major List
Salary Range \$ \$41-58
Job Description

Skydio is the leading US drone company and the world leader in autonomous flight, the key technology for the future of drones and aerial transportation. The Skydio team combines deep expertise in artificial intelligence, best-in-class hardware and software product development, and operational excellence to empower a broader, more diverse audience of drone users - from first responders to insurance claims adjusters, utilities, and more!

About the role:

We are looking for interns for the Summer 2025 Season. Reliable embedded firmware acts as the brain stem of our autonomous drones and accessory products -- bridging the gap between the algorithms and the sensors/mechanical hardware. As an Embedded Software Engineering Intern, you will have the opportunity to help define and develop functionality for internal teams and/or current & future products in a collaborative, fast-paced environment.

An ideal intern candidate is a junior, senior, or MS-level college student with industry experience developing device-level embedded software or firmware.

About the team:

- Our team is responsible for large portions of the software engineering stack, working on a wide variety of subsystems. We write bare metal and RTOS microcontroller code (generally STM32 product line), integrate and write code for embedded linux and android platforms (Qualcomm and Nvidia SOC's), maintain the associated linux kernels, and help design and bring up all new electronics.
- We work closely with both the hardware team and the rest of the software organization, creating the foundation for the rest of the Skydio software team to build upon.

How you'll make an impact:

- Develop and implement the embedded software that runs on the drone and our growing accessory product lines e.g. Skydio Dock

- Characterize, integrate, and validate key subsystems (e.g. cameras, radios, flight controllers)
- Bring up and debug new hardware
- Write interfaces and drivers for sensors, cameras, and other devices

What makes you a good fit:

- Practical experience writing firmware/embedded code for a physical device
- Proficiency with C++ within the context of embedded systems
- Proficiency with Python for testing, experimentation, and tools development
- Ability to write clean code with appropriate abstraction boundaries
- Ability to read schematics and use standard debugging equipment: oscilloscope, logic analyzer, multimeter
- Ownership in digging into complex problems
- Bonus points for embedded linux userspace and kernel development
- Bonus points for knowledge of debugging systems at ARM assembly code level

Compensation Range: The hourly rate for this position is \$41/hr for Undergrad, \$53/hr for Graduate students, and \$58 for PhD students*. Compensation will vary based on factors, including skill level, proficiencies, transferable knowledge, and experience.

*For some positions the pay may be dependent upon the individual's regional location.

At Skydio we believe that diversity drives innovation. We have created a multidisciplinary environment that embraces the power of diverse perspectives to create elegant solutions for complex problems. We are committed to growing our network of people, programs, and resources to nurture an inclusive culture.

As such, we do not make hiring or other employment-related decisions on the basis of an applicant or employee's race, color, ethnicity, national origin, citizenship, sex/gender (including pregnancy, childbirth, breastfeeding and related medical conditions), gender identity or expression, age, religion, disability status, sexual orientation, marital status, medical condition, genetic information or characteristics, veteran, military or family status, or other classifications protected by applicable federal, state or local anti-discrimination laws.

For positions located in the United States of America, Skydio, Inc. uses E-Verify to confirm employment eligibility. To learn more about E-Verify, including your rights and responsibilities, please visit <https://www.e-verify.gov/>

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Special Application Instructions

Application Link: https://www.skydio.com/jobs/6220441003/?gh_jid=6220441003

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.