

Job Posting:163647 - Position: S25 Systems Design Engineer Intern 163647B 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 Systems Design Engineer Intern 163647B E1
Position Type	Co-op Position
Job Location	San Mateo, CA
Country	USA
Duration	4 months
Salary Currency	US
Salary	41.0 per hour for 0 Major List
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 team:

- We develop autonomous flying robots for professional media capture, commercial inspection, and situational awareness from customer use case analysis to requirements definition, product development, factory bringup, and validation through mass production
- We work directly with subsystem technology vendors and cross functionally internally with hardware, embedded, and autonomy teams to develop vehicle, controller, and docking architectures including subsystem architectures such as imagine, ranging, compute, motor control, communication, sensing, and payloads.
- We build and maintain our in-house tools for system & subsystem level characterization, development, validation, and manufacturing
- We use Linux, Mac, and Windows based tools for hardware & software development, system & subsystem integration, as well as testing

About the role: We are looking for a System Design Engineer Intern to drive current and future system & subsystem architectures that meet Skydio's product vision, including subsystem development and system integration. The ideal candidate will be a self-starter with experience in one of Skydio's core focus areas who is passionate about developing new technology for autonomous flying robots.

How you'll make an impact:

- Collaborate with embedded, hardware, wireless, software, and autonomy teams to derive specifications and develop subsystem architectures consisting of mechanical assemblies, electronics, and embedded software
- Develop methods to simulate, quantify, analyze, and present proposals and designs for platforms & subsystems as well as collaborate on prototyping efforts
- Drive architecture specifications down to component level selection and development

What makes you a good fit:

- Good software development skills with an ambition to write clean and efficient code in Python and C/C++
- Some experience in embedded systems development
- Excellent written skills for clear reporting of data analysis and conclusions
- Experience working on systems that integrate some combination of imaging, ranging, advanced compute, motor control, communication, sensing, or payloads

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/6252790003/?gh_jid=6252790003

Indicate your interest to apply to this position in SCOPE and also submit your application package via the online website portal.

Applications are accepted on a rolling basis and the posting may expire at any time. Students should submit their applications as soon as they are ready.