DIT Software Engineer Intern

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Type: Full-Time
Posted: 12 days ago
Category: Software Engineer/Programmer
Military

Carnegie Mellon University

What We Do: The SEI helps advance software engineering principles and practices and serves as a national resource in software engineering, computer security, and process improvement. The SEI works closely with defense and government organizations, industry, and academia to continually improve software-intensive systems. Our core purpose is to help organizations improve software engineering capabilities and develop or acquire the right software, defect free, within budget and on time, every time.

Position Summary

The Threat Analysis Directorate is a group of security experts focused on advancing the state of the art in security at a national and global scale. The DIT Software Engineer intern will contribute to a variety of core functions including:

- Software Design and Development of AI applications
- Documentation

Requirements:

- Enrolled in a degree granting program.
- Willingness to travel to various locations to support the SEI's overall mission. This includes within the SEI and CMU community.
- You will be subject to a background check and must be eligible to work in the United States without Visa sponsorship.

- Able to work an internship during the summer
- Able to work onsite at the **SEI Arlington office**

Knowledge, Skills and Abilities:

- Ability to critically think and problem solve
- Solid understanding of software development in Python
- Basic proficiency with software design as well as Docker and Linux environments
- Familiarity with AI models and development frameworks
- Ability to collaborate internally and externally with professional engineers and researchers
- Willingness to learn new technologies with cross-functional teams

Desired Experience:

- Experience with Python
- Experience with training AI/ML models
- Basic understanding of cybersecurity concepts
- Experience with clearly documenting and communicating findings

Job Function Breakdown:

- Software engineering (design, development, testing): 80%
- Documentation of Results: 20%

TOTAL = 100%

Carnegie Mellon University is an Equal Opportunity Employer/Disability/Veteran.

This position is based onsite at the SEI Arlington office 5 days a week.

Joining the CMU team opens the door to an array of exceptional benefits.

Benefits eligible employees enjoy a wide array of benefits including comprehensive medical, prescription, dental, and vision insurance as well as a generous retirement savings program with employer contributions. Unlock your potential with tuition benefits, take well-deserved breaks with ample paid time off and observed holidays, and rest easy with life and accidental death and disability insurance.

Additional perks include a free Pittsburgh Regional Transit bus pass, access to our Family Concierge Team to help navigate childcare needs, fitness center access, and much more!

For a comprehensive overview of the benefits available, explore our Benefits page.

At Carnegie Mellon, we value the whole package when extending offers of employment. Beyond credentials, we evaluate the role and responsibilities, your valuable work experience, and the knowledge gained through education and training. We appreciate

your unique skills and the perspective you bring. Your journey with us is about more than just a job; it's about finding the perfect fit for your professional growth and personal aspirations.

Are you interested in an exciting opportunity with an exceptional organization?! Apply today!

Location

Arlington, VA
Job Function

Non-CMU Students
Position Type

Intern (Fixed Term)
Full Time/Part time

Full time
Pay Basis

Hourly
More Information:

- Please visit **"Why Carnegie Mellon"** to learn more about becoming part of an institution inspiring innovations that change the world.
- Click here to view a listing of employee benefits
- **Carnegie Mellon University is an Equal Opportunity Employer/Disability/Veteran**.
- **Statement of Assurance**

Carnegie Mellon University does not discriminate and Carnegie Mellon University is required not to discriminate in admission, employment, or administration of its programs or activities on the basis of race, color, national origin, sex or handicap in violation of Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973 or other federal, state, or local laws or executive orders.

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