DOE Omni Technology Alliance Internship Program

- The DOE Omni Technology Alliance Internship Program provides paid 10-week summer internships for up to three consecutive summers for talented undergraduate and graduate students in Cybersecurity, Information Technology, and other related fields.
- Interns will hold appointments at DOE national laboratories, Power Marketing Administrations (PMAs), plants, DOE Headquarters, and other approved sites.
- Interns will receive hands-on experience in an immersive environment that provides them with an understanding of the mission, operations, and culture of DOE. Moreover, interns will be mentored by leading scientists, engineers, and other top professionals to address cybersecurity and information technology challenges while gaining valuable, real-world experience to complement their education and open opportunities for careers within the federal government.
- More info: https://orise.orau.gov/doe-omni/

DOE Omni Technology Alliance
INTERNSHIP PROGRAM
de omnibus dubitandum
Be suspicious of everything

Eligibility Requirements

- Undergraduate or graduate student or recent graduate (within 2 years). Pursuing or having a degree in cybersecurity, information technology (IT), engineering or other IT-related fields)
- GPA of at least 3.0/4.0
- 18 years of age by June 1 2023
- US citizen

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Application Requirements

- Fill application form on Zintellect:

https://zintellect.com/Opportunity/Details/DOE-Omni-Summer-2023

- Resume
- Transcripts/Academic Records
- Academic or Professional Letter of Recommendation

Internship Details

- Application period: September 30, 2022 - January 13, 2023
- Acceptance date: offers sent by March 1, 2023
- Program dates: June 5 to August 11, 2023
- Stipend: $750/week
- On-site or remote internship possibility
- Housing: Arranged housing partially subsidized by program ($240/week). Housing will only be provided if the internship is held on-site.
- Transportation: Travel reimbursement up to $1000 if permanent address is more than 50 miles from host laboratory.
- Deliverables:
  - Entrance and exit surveys
  - Final report

Program Focus Areas

1. **Operational Technology** – Learn about the hardware and software that detects or causes a change through the direct monitoring and/or control of physical devices, processes, and events in the enterprise.
2. **Computer Science** – Learn how to understand how and why technologies work, explore whether and how technology could solve real-life problems, investigate procedures, create solutions, and learn about computing systems, programming, data, and networks.
3. **Engineering** – Learn how to incorporate electrical engineering and computer science to understand cyberspace. Use skills developed in digital forensics, security policy, and network defense and apply them to cybersecurity tasks, as well as learn about engineering hardware and software.
4. **Cybersecurity** – Learn how DOE protects networks, devices, and data from unauthorized access or criminal use and the practice of ensuring confidentiality, integrity, and availability of information.
5. **Data Science and Analytics** – Learn how to prepare data for analysis, including cleansing, aggregating, and manipulating the data to perform advanced data analysis.
6. **Software Engineering** – Learn how to develop software products. Learn to operate with a set of principles, best practices, and methods that have been carefully honed throughout the years, evolving as software and technology change.
7. **Malware Analysis and Forensics** – Learn how to determine the origin, usefulness, and potential effect of a malware sample.
8. **Network Analysis -** Learn the process of intercepting, recording, and analyzing network traffic communication patterns in order to detect and respond to security threats.
9. **Cloud Design and Enterprise Architecture** – Learn about cloud computing and the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet ("the cloud") to offer faster innovation, flexible resources, and economies of scale.
10. **Policy/Management/Oversight** – Learn to review and monitor public sector organizations and their policies, plans, programs, and projects, to ensure that they are achieving expected results; represent good value for money; and are in compliance with applicable policies, laws, regulations, and ethical standards.