

Cyber Software Engineer Intern and New Grads

[00049186 Cyber Security – Software Eng Interns & New Grads](#) --- NEWW 00051071

Interns—Do you want to join over 300 other interns for a summer of learning, networking and fun?

New Grads--Do you want to develop systems that contribute to solving our nation's most critical problems? Do you want to be mentored by engineers and scientists that are experts in their fields?

We're making a difference every day—working for a safer, healthier, and more secure nation and world.

Come and create the foundation for your career. At MITRE, you will do this by working on a variety of projects that support our Government sponsors and by taking advantage of the many learning opportunities—classes at the MITRE Institute, continuing education through our Educational Assistance program, attending tech talks and innovation exchanges, publishing and presenting at technical forms and more.

Our workplace reflects our values. We want you to start and grow your career at MITRE so that you can experience the gratifying work, our competitive benefits, exceptional professional development opportunities, and a culture of innovation that embraces diversity, inclusion, flexibility, collaboration, and career growth.

What do MITRE Cyber Software Engineer Interns and New Grads do?

Working alongside MITRE engineers or on teams in a lab, MITRE Cyber Engineer Interns and New Grads help design, develop, and implement solutions and technologies to address the greatest cyberspace challenges of our sponsors. You will be exposed to those with world-class expertise, innovation, and thought leadership to protect the platforms and information technology systems of our government sponsors' and promote their mission and operational success.

From design to operations, you will learn to apply security engineering expertise, innovative concepts, and technology solutions to address every facet of our sponsor's cyber challenges in three key strategic areas: threat-based engineering, design recover and reverse engineering and development of novel cyber capabilities.

What are some examples of the projects that they work on?

- Worked on providing windows event data for a larger security project.
- Reverse engineer specific power supply for faults and vulnerabilities.
- Building next generation reverse engineering tools and approaches
- Performed a deep analysis of an operational system to understand limitations and weaknesses

What does an ideal MITRE Cyber Software Engineer Intern or New Grads have:

- Studying computer science, cyber security or related discipline.
- Basic knowledge of cyber security principles, tools and devices

- Experience working with design recovery, software analysis, and/or reverse engineering tools
- Proficiency in one or more of the following--Java, Python, XML, HTML, C#, Objective C; Database design & development including SQL.
- Have cyber related experience gained from academic study and related intern/coop work
- Sustained excellence in academic performance
- High level desire to help their nation solve its most critical problems
- Exhibits the characteristics of a continuous learner

Additional Information

70% of MITRE's full-time jobs require US government security clearances; therefore, many internships and full time positions require that the candidates be clearable. MITRE does not provide sponsorship for those that need it currently or in the future.

Many of our jobs welcome those students who have an interdisciplinary approach to problem solving.