



Vulnerability Research Labs

Software Engineer Intern- Summer 2023

Here at Vulnerability Research Labs we have spent more than a decade becoming a technical leader in cyber security. We became a technical leader in the field because we believe in our mission to be at the forefront of cyber security and deliver unparalleled capabilities that solve our customer's hardest problems. We offer the opportunity to work on diverse technologies with hard working developers in an interactive company with a flat organizational structure.

We're currently seeking an intern with experience in C++ and Python development to join our team in the summer 2023. As part of our software engineering group, you will join topnotch developers who design, engineer and deliver software products to our end customers.

We are looking for:

C/C++ Developer Interns with:

- Imagination to think of new ways to solve hard problems
- Drive to take code from a proof of concept to a customer deliverable
- Ability to work alone or in teams of 2-5 developers
- Attention to detail we do code reviews but do not micromanage
- Curiosity and a willingness to tackle big challenges

Our Day-to-Day at Vulnerability Research Labs:

Developers spend most of their time doing what they love:

- Solving problems with code
- Writing cool NEW code some days on Windows, others on Linux
- Poking around the internals of various operating systems (with Windbg, Immunity Debugger/Ollydbg, IDA Pro, gdb, lldb) discovering new features, vulnerabilities and techniques
- Testing out ideas and automating code using a virtual lab

Additional Qualifications/Skills:

- Detailed understanding of malware techniques, defenses, and countermeasures
- Network programming and protocol analysis
- Familiarity with operating system internals
- Experience implementing encryption
- Preferred: Software development experience with some of the following:
 - Win 32 C/C++ (user and kernel mode)
 - Building with custom tool chains
 - Python
- Preferred: At least some development experience in or knowledge of the following:
 - Linux (user and kernel mode)
 - Android or iOS
- This position may require being fully vaccinated against COVID-19

Things we like best about VRL:

- Dedicated time to learn, research, and engineer solutions with minimal distractions
- A strong focus on learning and career development including conference and training opportunities
- Individual offices equipped with employee driven choice of computers and equipment
- A well-stocked pantry with food and beverages
- Most of all: a technically challenging workplace that takes care of its employees

VRL is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status, or any other protected class.

[EEO is the Law](#)