

Kevin Wang

Reverse Engineer / Penetration Tester / Software Developer

CONTACT

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WORK EXPERIENCE

OCTOBER 2020 TILL PRESENT

Reverse engineer at HII:

Reverse engineer UAVs, including GNSS receivers, flight controllers, and ground control software.

- Reverse Windows C++ x86, .NET, Arm, and TMS320 software.
- Use IDA Pro, WinDbg, Ghidra, and dnSpy.
- Reverse embedded systems, networked GUI applications, and associated DLLs.
- Write reports for the customer on the reverse engineered software.

OCTOBER 2018 TILL OCTOBER 2020

Information Systems Security Engineer at Alion Science:

To perform Agile software development for various projects and perform penetration testing.

- Develop a big data forensic image analytics tool using python, flask, docker-compose, Elasticsearch, and the Big Data Platform.
- Develop a project similarity comparison tool using python, flask, javascript, and BERT.
- Develop a penetration testing team and methodology.
- Perform white box web penetration testing using IBM AppScan.

JUNE 2017 TILL OCTOBER 2018

Network Security Analyst at MacAulay-Brown:

To manage and secure MacAulay-Brown's network.

- Respond to security incidents using Tenable LCE.
- Manage network security using Symantec EDR and Sophos UTM.
- Perform vulnerability assessments using Tenable SecurityCenter, Nessus, PVS.
- Perform penetration tests using open source tools.
- Ensure NIST 800-171 and ISO 20001 compliance standards.
- Write scripts to automate tasks and setup software, such as BitLocker.
- Manage and troubleshoot Cisco and HP routers and switches.

JANUARY 2016 TILL MAY 2017

Network Security Analyst at Clemson University:

To monitor activity on Clemson's network, investigate security events, and perform vulnerability assessments.

- Utilize network monitoring systems such as Splunk, Bro IDS, Proofpoint, and StealthWatch to investigate and report intrusions.
- Perform penetration tests and vulnerability assessments.
- Respond to security alerts from IPS.

MAY 2016 TILL MAY 2017

Undergraduate Research Intern at Clemson University:

To design and develop a social networking application with enhanced privacy for user content sharing.

- Develop a web application using PHP and MySQL.
- Use and create RESTful APIs.
- Help review and write scientific papers for publication.

EDUCATION

AUGUST 2015 TILL MAY 2017

Clemson University

Bachelor of Science: *Computer Science (3.59)*

PROJECTS

CAROLINACon
APRIL 2018

Gaining Access with Spear Phishing

I gave a presentation on the entire process of a sophisticated spear phishing campaign, from reconnaissance to delivering the payload and bypassing modern defenses.

CERTIFICATIONS

COMPTIA
JANUARY 2018

Security+ (expired)

Security+ incorporates best practices in hands-on trouble-shooting to ensure security professionals have practical security problem-solving skills.

SCALED AGILE, INC.
DECEMBER 2019

Scaled Agile Framework for Teams

The SAFe for Teams course builds the skills needed to become a high-performing team member of an Agile Release Train (ART)

EC-COUNCIL
JANUARY 2020

Certified Ethical Hacker (CEH)

The Certified Ethical Hacker (CEH) program is the most comprehensive ethical hacking course on the globe to help information security professionals grasp the fundamentals of ethical hacking.

MICROSOFT
JULY 2022

Security Operations Analyst Associate (SC-200)

The Microsoft security operations analyst collaborates with organizational stakeholders to secure information technology systems for the organization.

SKILLS

Software Development: Python, Java, C/C++, HTML, PHP, Javascript, SQL, MongoDB, Flask, PowerShell, Bash

Natural Language Processing: T5, BERT, GPT-3

Cybersecurity: Computer Network Exploitation, Web Exploitation, Network Defense, Incident Response, Active Directory, Windows Internals, Reverse Engineering, System Administration