

Xavier Cho

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PROFESSIONAL SKILLS

- Python
- Static analysis
- Malware Analysis
- Security code reviews
- C++
- Security operations

Security Toolkit: IDA, LogRhythm, Mimecast, Carbon Black Defense, Red Canary, Docker, x86, Veracode

WORK EXPERIENCE

General Communication Inc. – **Information Security Analyst**

January 2018 – Present

- Performed application testing to discover vulnerabilities related to network communication.
- Provided guidance on hardening the company's mobile products to follow industry best practices.
- Maintained a server that prevents GCI from paying about \$120,000 a year in audit penalties and fines.
- Improved network visibility in GCI's SEIM/SOAR tool by 50%.
- Maintain the email gateway that prevents data breaches or the average ransomware attack of \$84,000.
- Performed monthly tests internally that prevented costs of \$400,000 from events such as the cyberattack on Matsu and Valdez.

General Communication Inc. – **Analyst Intern**

June 2016 – September 2017

- Automated a point of sale report in Tableau that saved the company \$150,000 in man hours.
- Created HR's new Internal Training website through SharePoint's CMS using HTML and JavaScript.

RELEVANT PROJECTS

Android Application Security Testing:

- Utilized man-in-the-middle attacks (MITM) to report security risks to regarding TLS using Mitmproxy.
- Worked on decompiling the APK to use tools to get to the source code.

Web Application Security Testing:

- Conducted a security focused code review with the internal web team.
- Utilized Veracode to provide best practices to developers who were building a customer facing product site.

Reverse Engineering Malware:

- Unpacked Delphi Win32 injection malware.
- Utilized Anti-Reverse Engineering, Encryption, VM Evasion and Packing techniques.
- Triage, Static, and Dynamic analysis for proper reporting.
- Ref: [Malware Unicorn Reverse Engineering 102](#)

Third Party Risk Management:

- Aided in building forms with all third-party contracts for the third-party risk management forms for the compliance team in JavaScript.

EDUCATION

- **Bachelor's in Computer Science.** University of Alaska Anchorage
- Minor in Computer Systems Engineering
- Graduated 2018