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Cyrus C. ✅ He/Him

Security Engineering @ Gusto



- Gusto

San Francisco Bay Area · [Contact info](#)

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About



- Seasoned infosec professional with 9+ years of work experience in infosec/cybersec, with specialized experience/skills in the following security

domains: detection engineering, incident response, digital forensics, threat hunting, vulnerability management, corporate security, security risk analysis, security operations, security automation, security analytics, AI security, and security engineering.

- I have experience both working in a large organization (>10k employees), implementing with security at scale, as well as smaller/startup environment (2k+ employees) where the team is more lean/broad-scoped, allowing me to wear many hats.

- I am currently working full-time as a Senior Security Engineer in the Defense Engineering and Threat Hunting (DETH) team at Gusto, primarily leading/building detection engineering and vuln management functions, but also building threat hunting and sec ops with a focus on scaling and automating.

- Previously a member of Paranoids TSR/FIRE team at Yahoo/Verizon Media/Oath, focusing on incident response and automations.

- M.S. Security Informatics from Johns Hopkins University and GIAC Certified Incident Handler.

- I am passionate about always learning and applying my knowledge and skills in information security, specifically in the areas of security engineering, threat detection, vulnerability management, and security analytics. I also have a fair amount of knowledge in applied cryptography, web security, and software security.

- I feel strongly that security should be something that engineering/product teams have ownership of, and the security team's job should be to partner/assist/collaborate with/empower their efforts in writing secure code and building things safely. Partnerships between IT/eng teams and security are super important.

P.S. I'm not interested in: contract roles, roles in toxic companies (badly handled layoffs/RTOs, removing DEI policies, etc.), or roles that require relocating to a different country/state. I also don't accept random LinkedIn connection requests unless I've met and interacted with you either in-person or through a video call. Thank you.

◆ Top skills

Security Incident Response • Cyber Threat Hunting (CTH) • Threat & Vulnerability Management • Detection Engineering • Security Engineering →

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Gusto · Full-time

Nov 2021 - Present · 4 yrs 2 mos

San Francisco, California, United States · Hybrid

What I do:

- Security Engineering
- Detection Engineering / Detection-as-code
- Incident Response
- Vulnerability Management
- Corporate Security
- Threat Hunting
- Cloud Security

[Security Engineering, Detection Engineering and +7 skills](#)**Technical Security Engineer - Forensics, Incident Response, Engineering**

Verizon Media / Yahoo · Full-time

Aug 2017 - Nov 2021 · 4 yrs 4 mos

Sunnyvale, California

Member of Forensics, Incident Response, Engineering (FIRE) Team of the Verizon Media / Yahoo (formerly known as Oath) Paranoids

- > My job scope includes Incident Response, Forensics, and other blue-team related activities.
- > Transitioned into FIRE team at Verizon Media due to Verizon's acquisition of Yahoo! Inc., and back to Yahoo after the divestiture.
- > Network/systems monitoring, forensic collection/analysis of digital evidence
- > Hunt and investigate possible threats and indicators of compromise, automate anomaly detection and threat hunting
- > Participate in 24/7 on-call rotation to respond to high-severity security incidents
- > Work on projects to improve processes, better reporting/documentation, automate DFIR things

[Security Engineering, Security Incident Response and +1 skill](#)**Paranoids Security Engineer - Track, Search, and Rescue**

Yahoo! Inc. · Full-time

Mar 2017 - Aug 2017 · 6 mos

Sunnyvale, California

Member of Track, Search, and Rescue Team (Incident Response/Blue Team) of the Yahoo! Paranoids

- > Track: network/systems monitoring, forensic collection/analysis of digital evidence
- > Search: hunt and investigate possible threats and indicators of compromise, automate anomaly detection and threat hunting
- > Rescue: work with business units to drive remediation of security bugs, run high-severity security incidents
- > Participate in 24/7 on-call rotation to respond to high-severity security incidents
- > Identify and analyze risks associated with known vulnerabilities and work with product owners to apply fixes.



Security Engineering, Threat & Vulnerability Management and + Course Assistant skill

Johns Hopkins University Dept. of Computer Science · Part-time

Sep 2016 - Dec 2016 · 4 mos

Baltimore, Maryland

Assist Dr. Avi Rubin in the course: Security and Privacy in Computing (EN.600.443).



Data Science Intern

GovTech Singapore (formerly IDA Singapore) · Internship

Apr 2015 - Jul 2015 · 4 mos

Singapore

Taxi Trajectory Data Mining and Visualization (Python, XML, OSM, Google API)

- Contributed significantly to the early stages of "Taxi Trajectory Data Mining and Visualization" System used to optimize taxi supply-demand of taxis.
- Worked on algorithms for generating graphs of road networks with >90% accuracy (fixing inaccuracies in OSM with Google Maps data) and making it possible to query multiple path traversals speedily by pre-generating and caching a reduced graph and its paths.
- Designed algorithms to snap GPS coordinates to likely road vertices.

[Show all 8 experiences →](#)

Education



The Johns Hopkins University

M. S. Security Informatics, Computer and Information Systems Security
2015 - 2016

Activities and societies: JHUSSA member, JHUISI student mentor, SO-JHUISI Treasurer

Research and Technology Track



National University of Singapore

B. Comp. Information Systems, Information Security Specialization
2010 - 2014

Activities and societies: NUS Students' Computing Club

[Show all 3 educations →](#)

Licenses & certifications



Coaching and Developing Employees

LinkedIn

Issued May 2023

[Show credential ↗](#)

People Development and Employee Coaching



Apple® Forensic Investigations

BlackBag Technologies

Issued Dec 2020

[Show all 4 licenses & certifications →](#)

Projects



The Security Conscious Bot (Hophacks Fall 2016)

Oct 2016 - Present

Associated with The Johns Hopkins University

[Show project ↗](#)

A simple Telegram bot I built at Hophacks hackathon to make rsecurity more easily accessible to people. The aim is to keep updating it in the long t ...see more

Attacks on Encrypted Messaging (Practical Cryptographic Systems)

Oct 2016 - Dec 2016

Associated with The Johns Hopkins University

[Show project ↗](#)

- Analyzed an encrypted messaging application and discovered vulnerabilities in the...
...see more

[Show all 10 projects →](#)**Volunteering**

+

**Volunteer Instructor**

Singapore Red Cross

Jan 2006 - Mar 2006 · 3 mos

Skills

+

Prompt Engineering

Senior Security Engineer at Gusto

Generative AI for Cybersecurity

Senior Security Engineer at Gusto

[Show all 42 skills →](#)**Recommendations**

+

[Show all pending](#)**Given****Ricky .** 1st

Information Security Problem Finder & Solver. Security Leadership.

Always be learning. BSidesSF Organizer. Mentor. Open to Security Leadership or Consulting roles.

February 8, 2023, Cyrus reported directly to Ricky

Ricky is without a doubt one of the best managers I've ever worked with, and I will always appreciate my time working with him, both as his direct report at one point, and later as a fellow coworker. Even after he transitioned to a different function within Security at Gusto, he continues to be the very approachable person that he is, raising issues and helping out with all sorts of things outside of his scope. He is very thoughtful, knowledgeable, helpful, and is someone I would always look up to for any kind of advice or guidance. Any organization that he works at would be...

Courses

+

Computer Forensics

EN.600.457

Associated with The Johns Hopkins University

Computer Networks (Audit)

EN.600.444

Associated with The Johns Hopkins University

[Show all 30 courses →](#)**Languages****English**

Native or bilingual proficiency

Mandarin

Native or bilingual proficiency

Organizations**GIAC Advisory Board**

Member · Mar 2018 - Present

Johns Hopkins University Information Security Institute

MSSI Student Mentor · Sep 2016 - Dec 2016

Associated with The Johns Hopkins University

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40,792 followers**Causes**

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www.linkedin.com/in/cyruschua

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Principal Infrastructure Security Engineer at Yahoo

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Ingeniero de software

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