

CARL CHRISTOPHER MASTERS

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PROFESSIONAL SUMMARY

Cybersecurity student at Temple University Japan and U.S. Marine Corps veteran with three years managing cryptographic key infrastructure and mission-critical radar systems at 99%+ operational readiness. Combines hands-on experience in secure communications, OPSEC, and Linux environments with rapid full-stack development in Python, C, and JavaScript. Two-time 1st-place hackathon winner in Tokyo, shipping authenticated, production-ready platforms in 48-hour build windows. Seeking a security or software engineering internship where low-level fundamentals and disciplined execution matter.

TECHNICAL SKILLS

Languages	Python, C, Java, JavaScript, HTML/CSS
OS & Environments	Linux (Fedora, Whonix, Kali, Tails), CLI / Bash, Virtualization (VMware, VirtualBox)
Security & Infrastructure	Key Management Infrastructure (KMI), Cryptography (RSA, Hashing, Key Exchange), OPSEC, Secure Communications, Zero-Trust Key Handling
Tools & Frameworks	Git, GitHub, VS Code, Supabase, REST APIs, ONNX, Stripe
Languages (Spoken)	English (Native), Japanese (Beginner)

TECHNICAL PROJECTS & HACKATHONS

FocusHear — Real-Time Assistive Communication Platform	1st Place , SDGs to Startups 2026 (SIT)
<i>Featured Project</i> — <i>OpenAI x Tokyo AI Hackathon (Build with OpenAI)</i>	Jun. 2026
- Built a working prototype in a 48-hour window using a GPT-4o and ElevenLabs Scribe pipeline for real-time speaker diarization, selective listening, and color-coded live transcription. - Implemented the secure backend: Supabase Auth for authenticated user sessions, Stripe billing, and access-controlled storage of saved voice and face profiles. - Trained and deployed an ONNX-based LSTM model for ASL fingerspelling via hand-position tracking; engineered secure real-time audio workflows and live sound-alert translation.	
TabTalk — AI-Powered Automated Bill-Splitting App	Builders Weekend 2026 Mar. 2026
- Engineered a dining application using real-time voice recognition to attribute individual orders and auto-assign costs on receipt scan, delivered within a 48-hour build window. - Integrated VoiceOS, ElevenLabs, and RevenueCat APIs to build end-to-end voice and payment workflows across a 5-person team.	
Freelance Web & Portfolio Development — <i>kadysenglish.com</i> , <i>carlmasters.com</i>	Nov. 2025 – Present
Designed and deployed responsive client and personal sites from scratch in HTML, CSS, and vanilla JavaScript, featuring DOM manipulation, custom animations, and secure web form handling.	

EMPLOYMENT & PROFESSIONAL EXPERIENCE

United States Marine Corps — <i>Field Artillery Radar Operator & KMI Custodian</i>	Okinawa, JP & NC, USA Jun. 2022 – Jun. 2025
Cryptographic Security Management: Served as Key Management Infrastructure (KMI) Custodian, enforcing Zero-Trust handling protocols for cryptographic key distribution, accountability, and secure key loading on L3Harris AN/PRC-117G and AN/PRC-152 encrypted radio systems. Systems Reliability & Operations: Operated and calibrated multimillion-dollar radar infrastructure (AN/TPS-80, AN/TPQ-48/46) under pressure, maintaining 99%+ operational readiness for real-time data transmission to command elements. Commendation: Awarded the Navy and Marine Corps Achievement Medal for flawless cryptographic security management across a three-year enlistment.	

LEADERSHIP & EXTRACURRICULAR

Cybersecurity Newsletter Club , Temple University Japan — <i>Founder & Lead</i>	2026 – Present
Founded the organization to research, analyze, and publish technical security insights and emerging threat trends for the student body; leads content direction, technical review, and contributor onboarding.	
UI/UX Hackathon , Temple University Japan — <i>1st Place Winner</i>	Mar. 2026
Refactored a broken legacy web interface into a clean, user-centered design under a tight time constraint, outperforming all competing teams.	

EDUCATION

Temple University Japan — B.S. in Cybersecurity	Tokyo, Japan Sep. 2025 – Expected 2029
Relevant Coursework: Python Programming, C Programming, Object-Oriented Programming with Java, Discrete Mathematics.	