

AARON LOO

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EDUCATION	UNIVERSITY OF MICHIGAN College of Engineering Bachelor of Science in Engineering <ul style="list-style-type: none">• Major: Computer Science Stephen M. Ross School of Business Bachelor of Business Administration	Ann Arbor, MI
EXPERIENCE	Engineering Manager, Application Security Yelp	San Francisco, CA
2018-Present	<ul style="list-style-type: none">• Develop talent through individually tailored growth plans and transparent leveling criteria; promoted 4/8 people in the last 6 months• Strategize long-term vision for security team through risk analysis and identification of industry trends, while aligning with overall business objective• Implement cross-team processes to reduce redundancy, share best practices and create opportunities for team development• Manage external bug bounty program and other vendor relations• Designed system to enforce company-wide least privilege through revocation of stale privileges	
2016-2018	Security Software Engineer Yelp / Eat24	San Francisco, CA
	<ul style="list-style-type: none">• De-facto head of security for Eat24; implemented secure-by-design frameworks to protect legacy core business logic while maintaining backwards-compatibility• Developed OAuth2 / OpenID framework for consumer-facing Single Sign On (SSO); increased user growth by 15% through merged user accounts• Led company-wide effort to migrate all plaintext secrets to encrypted storage• Incident Responder: quickly triage and patch high severity security incidents	
PROJECTS	<ul style="list-style-type: none">• https://accounts.aaronloo.com: Authentication/authorization portal for all self-owned services• Privacy-focused DIY Voice Assistant (e.g. Alexa) with custom functionality• Online local multiplayer PacMan (ES6 JS)• https://jukebox.aaronloo.com: React UI to control custom-built home surround speaker system (Python, alsa, Redis)	
ADDITIONAL	<ul style="list-style-type: none">• Computer Skills:<ul style="list-style-type: none">[Web Design]: Python, Javascript, HTML, CSS, SQL, PHP[Technologies]: Bash, Git, Docker, Node.JS, Flask, Pyramid, React[Other]: C, C++, Java, Android Development• Served as one of the youngest lieutenant in the Singapore army between 2010-2012• Authored open-source stateful swagger fuzzer to scale automated IDOR detection	