

Zackary Lown

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Education

University of Hawaii at Manoa Computer Engineering Capstone project on AI FGSM adversarial Attacking Specialty Coursework: Software Engineering, Algorithm Optimization	Honolulu, HI Summer 2026
Thousand Oaks High School President of Computer Club & leadership in ETHOS entrepreneurship academy	Thousand Oaks, CA 2020

Experience

Beep Autonomous Mobility Services Shuttle Operator/Manager	Honolulu, HI Feb 2024 – Nov 2025
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- Diagnosed and resolved technical issues in autonomous shuttle systems (PC hardware/software, Lidar, GNSS, sensor faults)
- Performed advanced troubleshooting across onboard computing and sensor subsystems
- Collaborated with teams in Florida and France to identify and implement solutions for complex system issues
- Assisted customers with questions, issue resolution, and operational support

HI FusionED Teacher	Honolulu, HI Mar 2021 - Present
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- Taught low-level programming, robotics, and STEM at private schools across O‘ahu, including Kamehameha Schools and Honpa Hongwanji Mission School
- Delivered age-appropriate instruction to students ranging from pre-K through 8th grade
- Managed classrooms while maintaining a safe, structured, and engaging learning environment
- Sustained high energy and student engagement throughout lessons and activities

Personal Projects

Home Server	2024 – Present
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- Designed and deployed a personal Ubuntu-based server hosting a health-focused website, headless CMS, and flight radar tracking application using Docker, Nginx reverse proxy, and custom domain routing
- Configured networking, SSL (Let’s Encrypt), and service orchestration to ensure secure, reliable access across multiple subdomains and self-hosted applications

Skills & Interests

Technical: JavaScript, Python, C/ C++, PostgreSQL, Payload CMS, Ubuntu Server

Interests: Scuba Diving, Camping, Travel, Hiking, Photography