

Dan Vu

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Education

University of Hawaii at Manoa	2021 - 2027
Current GPA: 3.83	05/2026
Bachelor of Science, Electrical Engineering - Systems and Data Science	
Henry Perrine Baldwin High School	2018 - 2021
Cumulative GPA: 4.2	05/2021

Projects & Work Experience

Hawaiian Electric Company	Kahului, Hawaii
Relay Test Engineer Intern	06/2025 - 08/2025
<ul style="list-style-type: none">• Conducted SCADA testing as part of 2025 Maui wildfire mitigation plan• Developed 4 VBA Excel applications to streamline essential test engineering tasks, saving test engineers at least 3+ hours per task from manual data entry• Updated relay device database with 147 new devices and made over 150+ corrections to outdated relay data	
FAST Enterprises	Honolulu, Hawaii
Implementation Consultant Intern	05/2024 - 08/2024
<ul style="list-style-type: none">• Revived previously malfunctioning internal tool for HI State Tax Modernization Program• Developed documentation and conducted training presentation about implemented tool• Conducted analysis of government software for implementation of W3C Accessibility Standards	
UH Manoa x96 Project - Smart Campus Energy Laboratory	Honolulu, Hawaii
Firmware Team Member	09/2023 - 05/2024
<ul style="list-style-type: none">• Maintained accurate and low-cost weatherbox sensor network to collect meteorological data• Made critical fixes to development process by updating outdated Python scripts• Troubleshoot sensor data transmission performed by weatherbox firmware written in C	
Honolulu Authority for Rapid Transportation	Honolulu, Hawaii
Core Systems Student Aide	06/2023 - 05/2024
<ul style="list-style-type: none">• Developed a MATLAB and Python based Ride Quality Assessment Tool to quantify train mechanical vibrations, reducing testing costs• Analyzed several ride quality experiments conducted after Skyline opening in 2023• Assisted with correction of track measurement survey data for Segment II of the Honolulu rail project.	
Malama Junk Removal	Wailuku, Hawaii
Freelance Web Designer and Developer	10/2021 - 04/2022
malamajunkremoval.com	
<ul style="list-style-type: none">• Led design and implementation of web visuals according to client needs• Wrote WordPress theme files for dynamic content using HTML, CSS, JavaScript, and PHP	

Skills

Computer: MATLAB, Python, VBA, SQL, C++, C
Electrical: Oscilloscopes, breadboard filters, high & low voltage circuit analysis, electrical control systems
Technologies & Frameworks: Matplotlib, PyTest, Selenium, Flask, React.js, WordPress
Creative Media: Adobe Illustrator, Figma, Final Cut
Language: Vietnamese (Professional-level fluency)