

Dan Vu

Electrical Engineering Student

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Education

University of Hawaii at Manoa

2021 - 2026

Current GPA: 3.83 | Graduation Date: May 2026

Bachelor of Science, Electrical Engineering - Systems and Data Science

Henry Perrine Baldwin High School

2018 - 2021

Cumulative GPA: 4.2 | Graduation Date: May 2021

Projects & Work Experience

Implementation Consultant Intern | FAST Enterprises

05/2024 - 08/2024

- Implemented 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

Smart Campus Energy Laboratory Firmware Team Member | UH Manoa

09/2023 - 05/2024

- Member of team that maintains an accurate and low-cost weatherbox sensor network to collect meteorological data, helping UH Manoa meet its future energy goals
- Made critical fixes to development process by updating outdated Python scripts
- Troubleshooted sensor data transmission performed by weatherbox firmware written in C

Core Systems Student Aide | Honolulu Authority for Rapid Transportation

05/2024

- Developed Ride Quality Assessment Tool using Matlab to quantify mechanical vibration of train
 - Saved HART thousands of dollars due to lack of need to pay outside consultants
 - Tool can be used for unlimited tests at no cost for HART or other city/county agencies.
- Analyzed several ride quality experiments conducted after Skyline opening in 2023
- Assisted with correction of track measurement survey data for Segment II of the H RTP.

IT Help Desk Consultant | University of Hawaii ITS Department

02/2023 - 06/2023

- Provided technical support to UH students and faculty
- Assisted with configuring and troubleshooting UH software and platforms

Web designer and developer | Malama Junk Removal

10/2021 - 04/2022

<https://malamajunkremoval.com>

- Collaboratively designed web visuals/aesthetics according to client needs
- Wrote WordPress theme files for dynamic content using HTML, CSS, Javascript, and PHP
- Consulted for client on search engine optimization and other marketing strategies

Skills

Languages

Python, Javascript, C++, C, C#, MATLAB, HTML, CSS, SQL

Technologies & Frameworks

Matplotlib, React JS, Adobe Illustrator, Figma, Primavera P6, AutoDesk Eagle, WordPress