

KAMRYN SHIGEMOTO

STUDENT

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PROFILE

I'm a fourth-year electrical engineering student at Sonoma State University looking to apply and continue to expand my knowledge and skills with hands-on experience. Upon graduation, I'm seeking a career with electrical engineering applications to solve complex problems, research developing technologies, and improve existing technical solutions.

EDUCATION

Sonoma State
University
2022 - Present

Bachelor of Science in Electrical Engineering

- Expected to graduate May 2026, Minor in Mathematics
- 3.8 GPA

Mililani High School
2018 - 2022

High School Diploma

- Valedictorian, Summa Cum Laude
- 4.19 GPA
- Academic and Career Technical Education (CTE) Honor Certificates: Industrial and Engineering Technology Pathway
- Blood Bank Lifesaver, CTE, and NHS Honor Cords

WORK EXPERIENCE

Hawaiian Electric
Company
June - August 2025

Electrical Engineering Internship - Transmission and Distribution

- Assisted T&D engineers on current projects and gained valuable experience in a professional environment using O-Calc Pro, EMaps, Google Earth, and Adobe
- Experience with pole loadings, design and analyze technical drawings, attend site visits, collaborate with other interns, and present requirement standards for the Downtown Honolulu underground circuit project

Bow Engineering &
Development, Inc.
May - August 2024

Engineering Internship

- Experience with AutoCAD, Bluebeam, and Microsoft software to assist with projects that included editing plans for elementary school play areas, housing developments, and public parks
- Managed budget and material lists, experience with engineering standards, and organized project documentation and project plans

Elemental Minds at
HBA
June 2023

STEM Assistant

- Assisted the teacher with mentoring students of varying ages and skill levels about engineering design concepts and problem solving to meet project requirements

ELECTRICAL ENGINEERING PROJECTS

Senior Design Project
Planning
SSU Fall 2025

REACH - Remote Energy Access and Control Hub

- Collaborated as a team to conduct research and client outreach, and present our proposal to industry and faculty advisors
- Designing an external module that works with existing solar power systems to provide connectivity, advanced remote power management, and monitoring over connected loads in remote locations like vineyards

Intro to Internet of
Things
SSU Fall 2025

Assignment Index Webpage

- Designed a webpage that hosted major projects that included working with an ESP8266 to send data collected from sensors and switches to a certain webpage
- Gained experience using HTML, PHP, APIs, and MQTT

Electronics I
SSU Fall 2024

Analog Computer

- Constructed a Celsius to Fahrenheit convertor using LM741 op-amps, resistors, and potentiometers that were calibrated using a power supply module; designed and simulated the circuit in LTspice

Linear Systems Theory
SSU Fall 2024

MATLAB App Dashboard Design

- Built dashboard and graphical user interface that allow users to generate and visualize different waveforms; added Fourier series plot

Microprocessors and
System Design
SSU Spring 2024

MPLAB X IDE and PIC18F46K42 Microcontroller

- Various microcontroller projects including interfacing a touch keypad calculator with simple arithmetic functions

SKILLS

- Oscilloscopes
- Wave Generator
- Microcontrollers
- Raspberry Pi
- Visual Studio Code
- LTspice
- MATLAB
- AutoCAD
- Microsoft and Google Workspace
- Analog Discovery Module
- GitHub
- Adaptable
- Teamwork
- Responsibility
- Communication
- Willing to Learn
- Problem Solving

ACHIEVEMENTS

- Sonoma State University
 - 7x Dean's List Student, Chi Alpha Sigma
 - Student Athlete on Women's Soccer
 - Leadership Council Representative
- Mililani High School
 - Student Athlete - Soccer, Track, Cross Country
 - MVP and captain for soccer team