Frendy Lio

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(808)-256-1848

Education

B.S., Electrical Engineering — Jun. 2018- May 2020
University of Hawaii at Manoa,
GPA: 3.62

A.A.S., Engineering — Aug. 2016 – May 2018
Leeward Community College,
GPA: 3.95

Work Experience

University of Hawaii at Manoa

STAR SQL Programmer — Jan. 2019 – Present

- Responsible for designing SQL procedures that interface with the Oracle based student information system.
- Highly structured work environment using project management software with version control on all code that is developed.

STAR SQL Assistant Programmer — Jun 2018 – Jan 2019

- Assisting in designing SQL procedures that interface with the Oracle bases student information system
- Working with the STAR team, creating the next generation of interactive student applications that change the way students interact with the University

Leeward Community College — Aug. 2016 – Jun. 2018

Office of International Programs Office Aid

- Advised incoming International Students with their college related issues; for example, F-1 Visa, Insurance and Holds
- Entered data to Banner Student Information System of incoming International Students

Project Experience

Kumu App — Oct. 2018 – Nov. 2018

Database Programmer

- Designed and built a two-part system for efficient, user-friendly data reporting and visualization for native Hawaiian plants.
- Implemented the connection and building of the backend with the front-end using PHP and SQL.
- Placed in the top 12 in the Hawaii Annual Code Challenge.

Lapalce Barrier — Jun. 2018 – Aug. 2018

Research Assistant

- Helped assist with the merging and splitting of Liquid metal inside of a PDMS that had small barriers around 100 micrometers by using electrodes.
- Presented on the 2018 PEEC II Symposium: O Ke Kahua Mamua, Mahope Ke Kūkulu.

CANSAT — Dec. 2017 – Mar. 2018

Lead Mechanical Designer

- Designed, developed and simulated a space CanSat entering a planetary atmosphere.
- Placed top 85 in the CANSAT international competition

Skills

Programming: SQL, VBA, PHP
Tools: Git, Linux, LogicWorks, SolidWorks, MS Access

Activities

Member: IEEE-Eta Kappa Nu (HKN) Honor Society, UH Manoa — Aug. 2019 – Present
Member: Native Hawaiian Science and Engineering Mentorship Program — May 2018 – Present

Languages

Native Language: Spanish
Full Professional Proficiency: Portuguese
Limited Working Proficiency: Cantonese