Jay Marie Baptista

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SUMMARY

I am a first-generation college student and prospective computer science undergraduate who is interested in researching computational methods for the purposes of security, encryption, verification, and the study of algorithms in quantum computing. Additionally, I am also interested in researching methods in creating innovative or aesthetically-pleasing human experiences (either through graphical or robotic interfaces).

EDUCATION

Yale University, New Haven, CT — Computer Science & Mathematics, 2023
Lahainaluna High School, Lahaina, HI — 2019, Valedictorian, 4.2 GPA, Academic Honors

EXPERIENCE/WORK

Library Service Assistant (Sterling Memorial Library) — 2019-Present

Categorize incoming book returns through the Library of Congress organization system, re-shelve books, and assist in work at the circulation desk. Trained in accuracy checking, filing, and shelf-reading, as well as answering inquiries in-person or over the phone.

Lead Programmer, Lahainaluna Robotics Team FRC #3882 — 2016-2019

Programmed and instructed incoming programmers through implementing robotics projects that involve the collection of data from sensors, the integration of data through object-oriented programming, and the manipulation of mechanisms such as motors and solenoids to achieve specific goals.

Volunteer Technology Coordinator, Lahaina VEX IQ Tournament — 2016-2018

Managed event displays, networking systems, and matchmaking/scoring applications for a local robotics event meant for a dozen or so competing elementary and middle school robotics teams across Hawaii.

Voter Assistance Official, State of Hawaii Office of Elections — August & November 2018

Verified voter identification and issued voting ballots in the 2018 primaries. Registered prospective voters through new same-day registration system during the 2018 midterm elections.

Water Quality Sampling Volunteer, Hui O Ka Wai Ola — June & July 2018

Calibrated electronic probes, prepared sensors and sampling equipment, collected ocean water samples, and collected quantitative scientific data from 19 various sites across West Maui. Gained laboratory skills in maintaining a sterile environment to error-checking instrument accuracy.

SKILLS

Experienced with word-processing and spreadsheeting applications, familiar with programming in Java, Python (OpenCV), and Javascript. Able to speak intermediate French and studying elementary Korean.

EXTRACURRICULARS

Other than working part-time at the Sterling Memorial Library, I currently participate in the STARS I program, Yale Intelligent Vehicles, and Yale Rotaract.