BRYAN K. MUNOZ

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EDUCATION

Bachelor of Science in Computer Engineering - Computer Systems 2016 - 2020
University of California, Santa Cruz - Jack Baskin School of Engineering GPA: 3.0

EXECUTIVE SUMMARY

Pragmatic and motivated Software Engineer experienced with various programming languages and hardware components. Detail oriented, as demonstrated by advanced university coursework involving computer systems, and highly personable after providing professional customer service over multiple years.

TECHNICAL STRENGTHS

Programming Languages	C 4yrs , C++ 4yrs , Java 2yrs , (JavaScript CSS HTML) 1yr , Python 1yr
Digital Logic Design	Verilog (Structural and Behavioral) 3yrs
Stack Components	Node.js, Express, ReactJS, HTML
Development Tools	Github, LaTeX, MatLab, VirtualBox, WordPress, Vivado, PSoC Creator
Operating Systems	Windows, Linux

PROJECTS

Wi-Fi Probing Population Monitor github.com/UCSC-CSE123/beavertail
Capstone Project

- A tool to inexpensively measure population within a 150ft radius using only a microcontroller and wifi adaptor.
- Worked on collecting and processing WiFi probe request data using Python.
- Designed a method to confidently deduce the number of smartphones within WiFi range using MAC Addresses and RSSI values.
- Remotely coordinated and collaborated with a team of five engineers using Slack and GitHub.

Audio Synthesizer github.com/bryan-kenneth/audio-synthesizer
Logic Design Project

- Created an interface to generate audio waves for the CODEC chip on an FPGA.
- On-board switches control which digitally generated waves are superimposed/simultaneously active.
- Integrated adjustable frequency and volume controls using debounced buttons.

Oscilloscope github.com/bryan-kenneth/oscilloscope
Microcontroller Project

- Created a dual-channel oscilloscope using two microcontrollers (PSoC5 and RPI).
- Utilized PSoC5 for capturing ADC samples and sending data via USB.
- Programmed RPI to process and visualize signals through on-board HDMI using OpenVG.

WORK EXPERIENCE

Bodega Bay Lodge Nov 2020 - Present
Front Desk Agent

- High level guest services while navigating a property management system

Lucas Wharf Restaurant 2015 - 2019
Server

- Fast paced work environment in which communication, teamwork, and multitasking are essential tools

Bodega Bay Public Utilities, Intern Jan 2016 - May 2016
Site Engineer

- On-site civil engineering internship focused on water testing & treatment infrastructure