Nathan Kiesman

Visual Portfolio: nkizz.com
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Education	Marshwood High School, South Berwick, Maine
	Dartmouth College, Microprocessors in Engineered Systems (ENGS 62)
	University of Maine, Microeconomics (ECO 120)
	University of Maine, Macroeconomics (ECO 121)
	Lakes Region HIgh School, Computer Science (AP4ALL)

Experience

Spin Analytical   Summer 2017-Present
Created control and data processing application for protein mobility analytical centrifuges
Lowered cost and increased efficiency by redesigning a constant current DC power supply
Increased accuracy of protein mobility analysis by creating an optical rotor alignment tool

Permit Log   February 2017-Present
Won first place in the Maine App Challenge and was awarded a $6000 scholarship
Worked on a team of three to develop "Permit Log" to help teen drivers track their driving
Filmed and edited a four minute advertising video - nkizz.com
Supporting more than 2200 active users, and expanding to an iOS version

Class Act   January 2018-April 2018
Won third place in the Maine App Challenge and was awarded a $1000 scholarship
Worked on a team of two to develop "Class Act", a suite of tools to help high schoolers
Designed the user interface, and created an advertising video - nkizz.com

Independent Projects - nkizz.com

Restored and internet enabled a Teletype	Converted a rotary phone to a cell phone
Redesigned a weather station interface	Restored and internet enabled a jukebox

Membership	National Honor Society	Tri-M Music Honor Society Historian
	Co-President of Marshwood Coding Club	Senior Class Historian
	Marshwood Math Team	Marshwood Gender and Sexuality Alliance
	Cyberpatriot on Team Redundancy Team	Counselor for Brain Explosion Art Summer Camp
	ESP/MIT Splash 2015-2018	UNH Young Philosophers Conference (three years)
	Port City Makerspace, Portsmouth, NH	Wheaton Whealead Conference

Awards	Freshman Science Student of the Year	Maintained Honors or High Honors 2015-2018
	Math Team (6th place team in Maine)	Music Department Outstanding Achievement
	Cyberpatriots (1st in Maine, 36th worldwide)	

Skills	C, C++, Qt, Java, Python, Bash, Desktop Administration (Windows, MacOS, Linux/BSD), Arduino, Teensy, Raspberry Pi, ESP32, STM32F4, Analog and digital electronics design, PCB design and manufacturing, Final Cut Pro X and EAGLE