

Nick Maley

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I'm a newly graduated Electrical Engineer from Cal Poly looking for a job in the Bay Area. I enjoy soldering, designing PCBs, testing and all kinds of hands-on work. I especially enjoy working with a team on robots. I'm currently working on a remote control Dalek (Doctor Who) with my dad.

Technical Skills:

- **Hardware:** Oscilloscopes | Network Analyzers | Function Generators | Power Supplies
- **Software:** Microsoft Excel | STM32CubeIDE | LTSpice | MatLab | C & C++

Skills:

- Part of a small team in conception, design and prototyping a headset to enable easy communication in a loud environment, designed with the acknowledgement and inclusion of the hearing impaired for the Office of Veterans Affairs (EE 460 2022-2023)
- Knowledge in Advanced Analog Circuits, primarily the construction and operation of PLLs (EE 412, 2023)
- Knowledge in the construction of higher order filters, cascading filters and multiple oscillator designs (EE 409, 2022)
- Experience in using the STM32L476RG TX development board and the STM32CubeIDE program in C (EE 329, 2021-2022)
- Knowledge of how remote sensors operate (EE 424, 2022)
- Knowledge and experience in the design and fundamentals of computers using System Verilog (EE 233, 2020)
- Knowledge of how to conduct Circuit Analysis including resistors, capacitors, inductors, BJTs, NPN and PNP transistors and operational amplifiers by way of mathematical analysis, computation in MatLab and simulation in LTSpice (EE 112, 211, 241, 212, 307, 308, 409, 2019-2022)
- 7 Years of FIRST and VEX robotics. Driver and head designer, qualified for the world championships and placed 16th in high school division in the world (2018)
- 6 Week Internship at OLogic, assisting in the construction, testing and prototyping of their current project (2017)

Education:

Bachelor's of Science in Electrical Engineering at California Polytechnic University, June 2023