Jacob A. Likins

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| Education | Olin College of Engineering, Needham, MA, Bachelor of Science, Electrical and Computing Engineering, May 2028 - Relevant Coursework: Linear Algebra, Modeling & Simulation, Engineer Design, software design, Introduction to Circuits, 3-D Modeling, Matlab, Calculus I & II, South Carolina Governor's School of Mathematics and Science, Hartsville, SC, Governors high school degree, May 2024 - Relevant Coursework: Writing in STEM, Robotics, Engineering disciplines, Engineering Product Design, AP Chemistry, AP Physics Electromagnetism and Mechanics | | |
| Key Skills | Visual Studio Co APIs, Web Scra | rks, Git, Android Studio, Isaac Simula ode (VS code), Arduino, Jupyter Note pping, VHDL ware Languages: MATLAB, Python | ebook, Oscilloscope, Linux, Shell, |
| | Other Skills: W | Velding, Soldering, Wood Cutting, 3- | D printing |
| Experience | Intern, 6/2023 – - Designed - Programm - Used Isaa - Presented First Technica Team Captain, - Led team - Used Soli - Programm - Taught te putting to Will's Remodel General Contra - Used mea - Read sche Formula Electr Electrical Mem - Contribut Formula S - Created F charge/di - Integrated | 19/2022 – 3/2024, Hartsville, SC to build functional robot at end of It idWorks to design robot and create med robot in Java inside of Android am members how to use SolidWork gether workshops to help practice the ling cting, 4/2022 – 8/2024, Westminster, assuring tools and saws to cut wood ematics to rewire electrical systems | WEX parts to create a robot in C++ inside of VS Code ion and compared to real life robot oquium First Tech Challenge season custom 3-D printed parts for it Studios is, 3-D Print, and Design robot by nese skills SC from stairs, new walls, and decks in house esting of an electric vehicle for the it, throttle sensing, and pre- |

Projects

Remote Controllable Golf Cart, 8/2023 – 4/2024

- Took Golf Cart and welded an actuator onto the front to control steering

Programed the motor controller to work with our CAN protocol Created and presented design reviews to senior engineers

- Used an Arduino Nano to control electronic components and soldered wiring together **Morse Code MATLAB Project**, 3/2024 4/2024
- Used MATLAB to take text then translate the text into Morse Code
- Connected MATLAB to an AUDRINO to control LED which would flash the Morse Code