

BlueStamp Engineering

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Location: Pal Alto

Instructor: Laura Kambourian

Starter Project: Color POV and Light Painting Kit

Main Project: Fingerprint Scanner and Keypad Safe.

Major Steps to complete the project:

1. Make sure all parts have arrived as planned
2. **Make circuit for fingerprint scanner**
 - a. Test it using a LED
3. Make a circuit for keypad
 - a. Test it using a LED
4. **Combine circuits and code for fingerprint scanner and keypad**
5. Get servos to turn
6. Convert circuits from breadboard to PCB
7. Create a locking mechanism using two L braces and a servo
8. **Attach components to box**

Potential Modifications:

1. Figure out a more stable power source (maybe consider adding a solar panel) and finding an external source to power if internal source runs out of battery
2. Make it more secure
3. Maybe add voice command as another security measure