

# T01

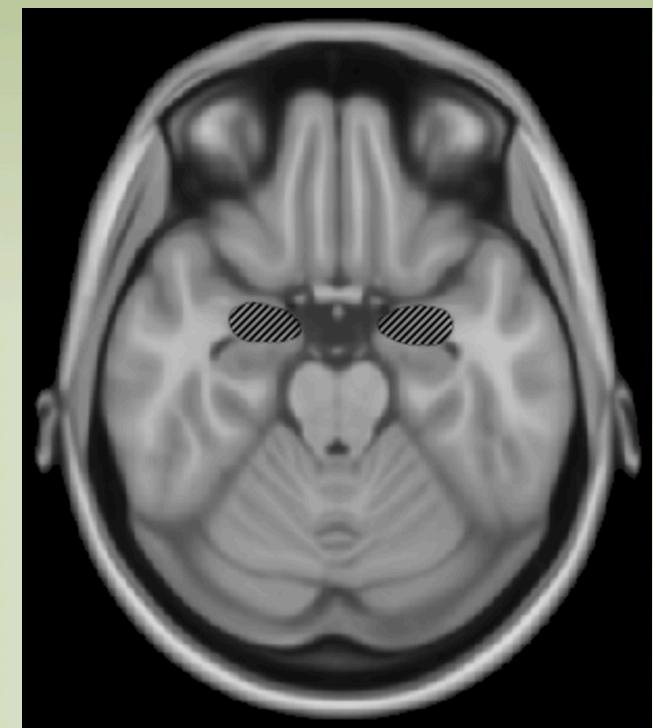
# Synthesizer Glove

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## Pictures of Prototype



# Motive



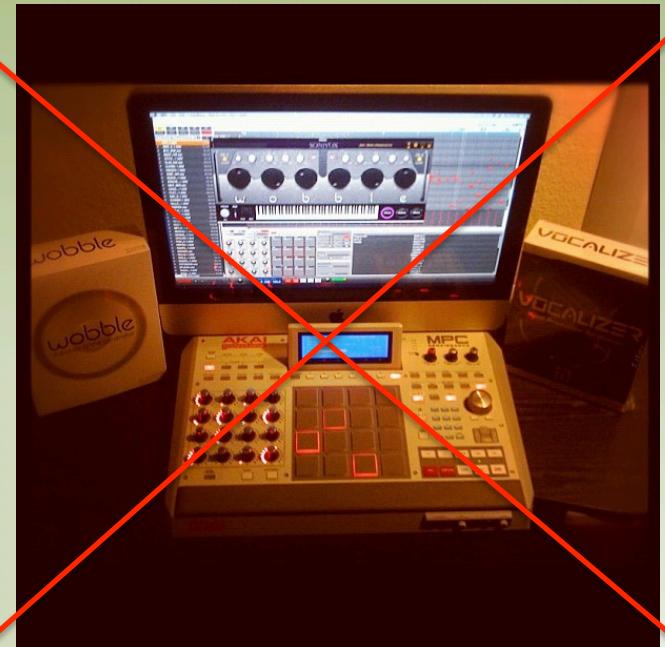
# Goal



# Alternatives



# Approach



# Requirements

System will be built off of various research and have need  
of system to be able to provide information  
system must be wearable on user's hand or  
torso based on the application may have two  
based on hand or forearm:  
two accuracies.  
servers.

# Design Level 0

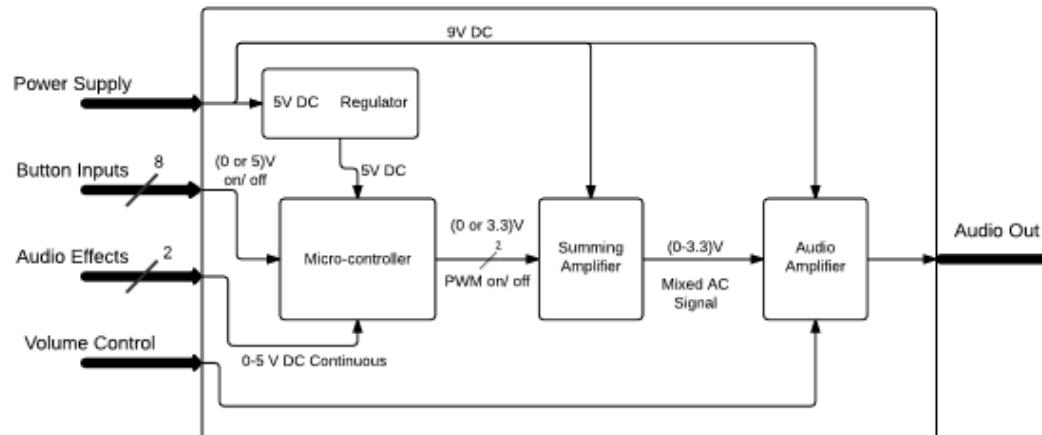
Entire System: Level 0 Design Diagram



Level 0 Synthesizer Glove Design

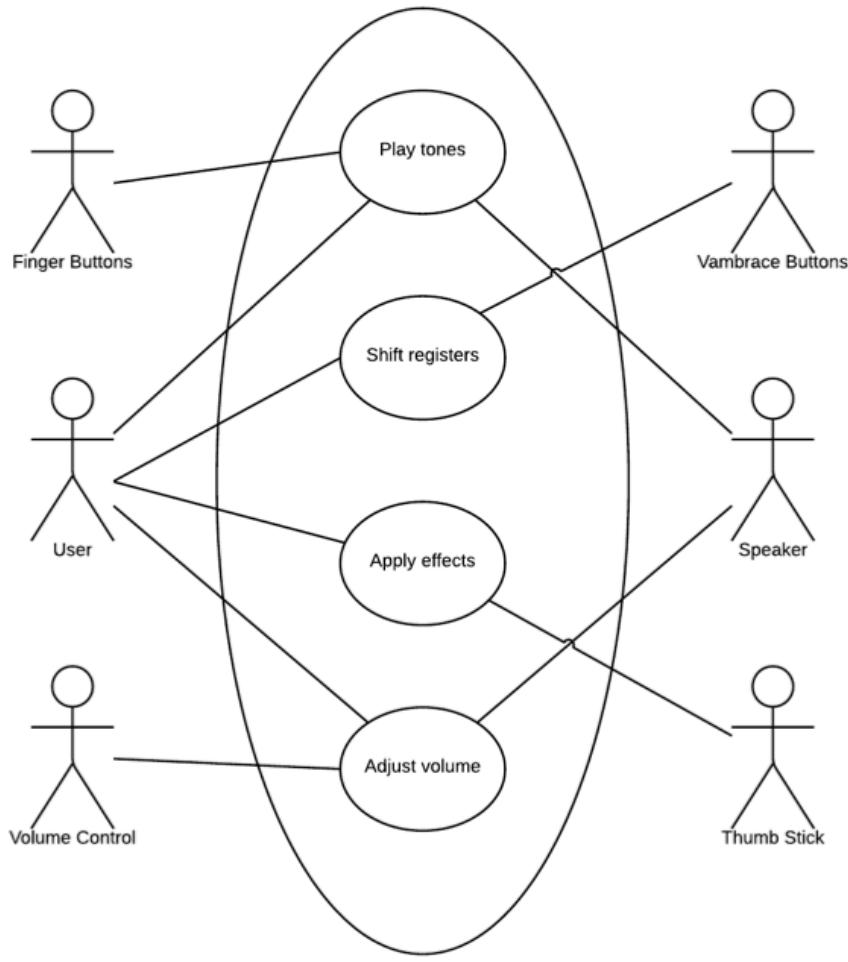
# Design Level 1

Entire System: Level 1 Design Diagram

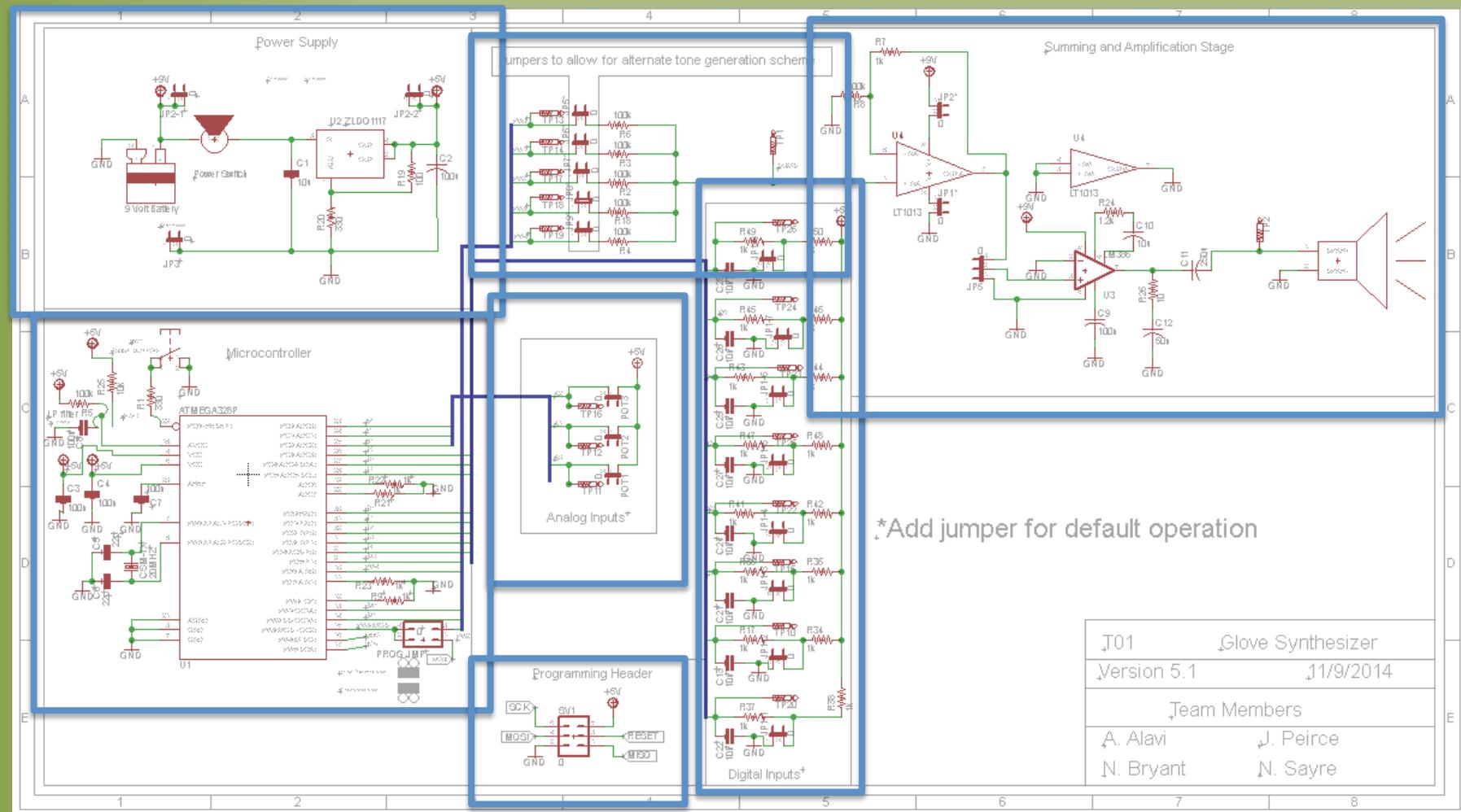


Level 1 Synthesizer Glove Design

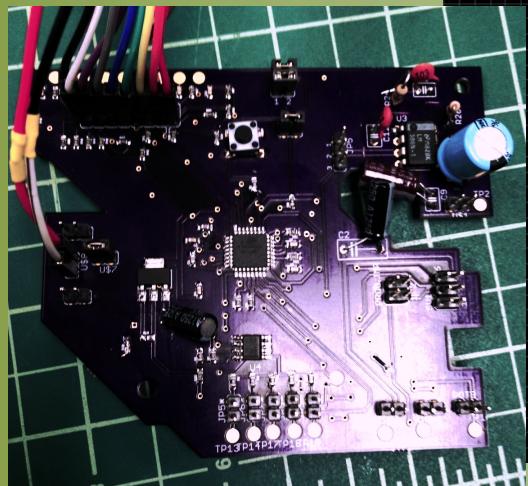
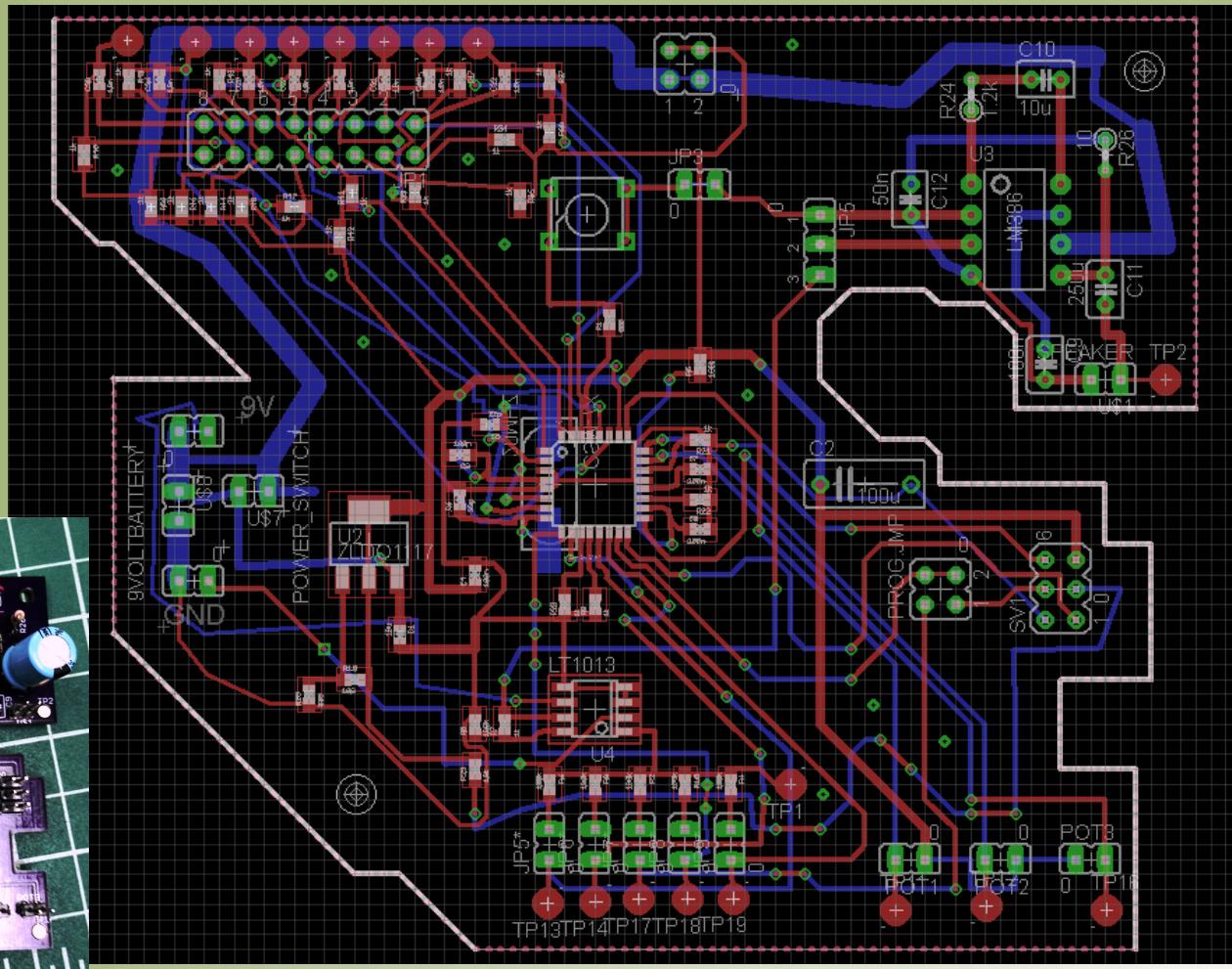
# Use Case



# Schematic



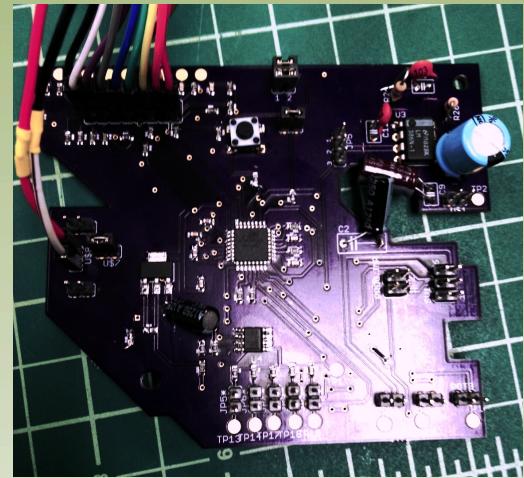
# PCB Layout



# Programming



# Testing



# Contributions

| Ali                           | Nathan                  | Nick                                | Steve            |
|-------------------------------|-------------------------|-------------------------------------|------------------|
| Research                      | Research                | Research                            | Research         |
| Proposal                      | Proposal                | Proposal                            | Proposal         |
| Design Requirements           | Design Requirements     | Design Requirements                 | Test Programs    |
| Prototype Board Assembly      | Schematic               | Schematic                           | Write Program    |
| Project Schedule Draft+Revise | PCB Layout              | PCB Layout                          | Revise Program   |
| System Diagrams               | Project Schedule Review | Prototype Board Design and Assembly | Finalize Program |
| Housing                       | System Diagrams         | System Diagrams                     | Testing          |
| Prototype Assembly            | Test Plan               | Housing                             |                  |
| Testing                       | Housing                 | PCB assembly                        |                  |
| Presentation                  | PCB assembly            | Prototype Assembly                  |                  |
|                               | Prototype Assembly      | Testing                             |                  |
|                               |                         | Testing                             |                  |

# Intellectual Property

Lessons Learned

Questions?