



University of Massachusetts, Amherst
College of Engineering

ITS LIT

Final Project Review

Senior Design Project '17

Department of Electrical and Computer Engineering



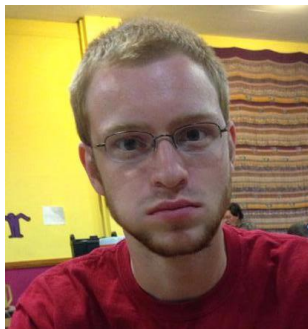
Meet The Team



Advisor:
Professor David
McLaughlin



Tommy Zhen
CSE



Michael Polin
CSE



Patrick Browne
EE

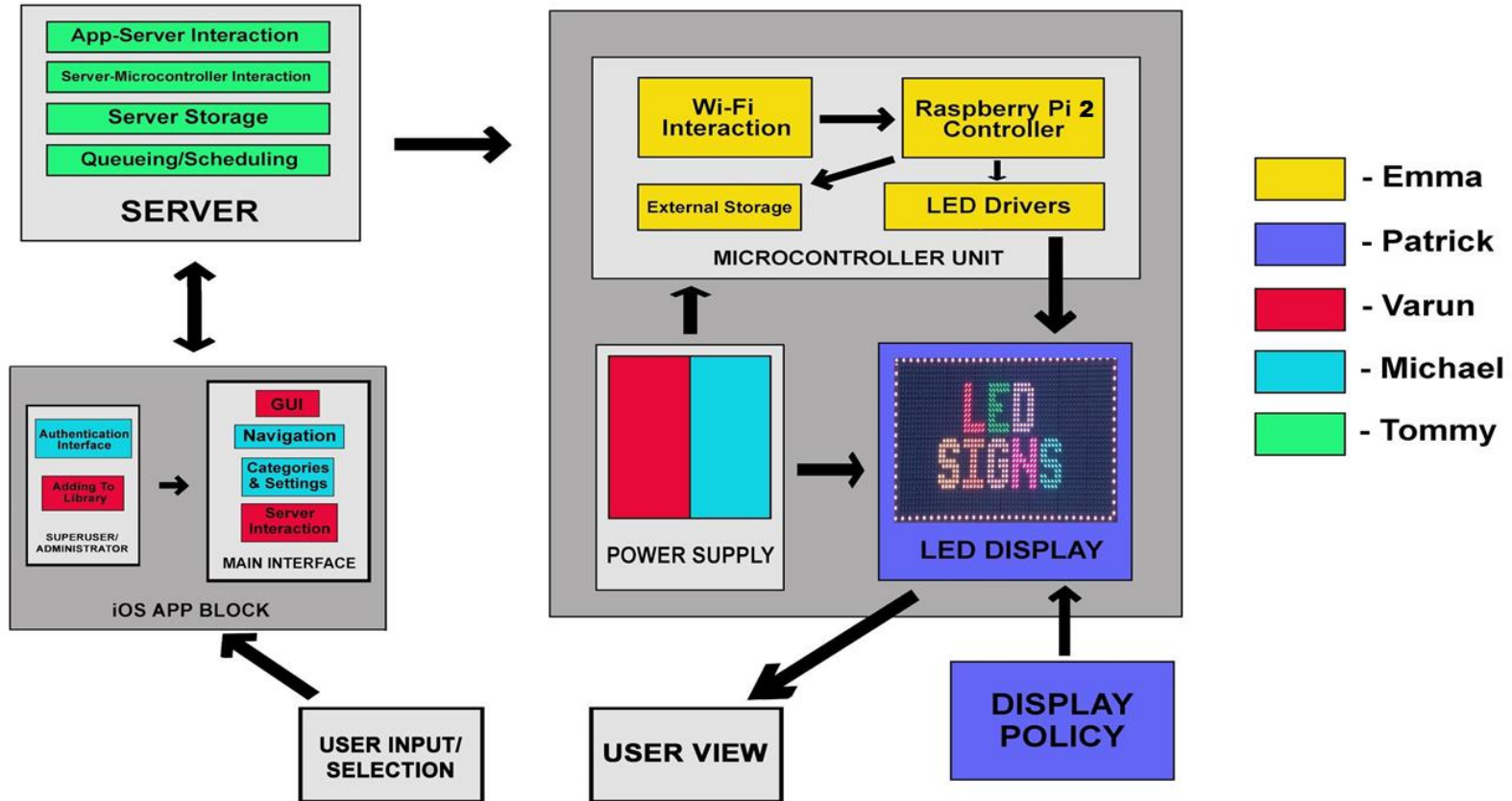


Varun Menon
EE



Emma Bryce
EE

Block Diagram



Proposed FPR Deliverables

PJ

- Display complete, incl. integration with power supply and Pi

Tommy

- Display is able to receive requests from queue and server

Emma

- Pi able to render images on full display incl. some hardware interface

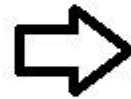
Mike

- Super-user authentication process & display chassis complete

Varun

- Advanced app GUI, super-user privileges & power supply complete

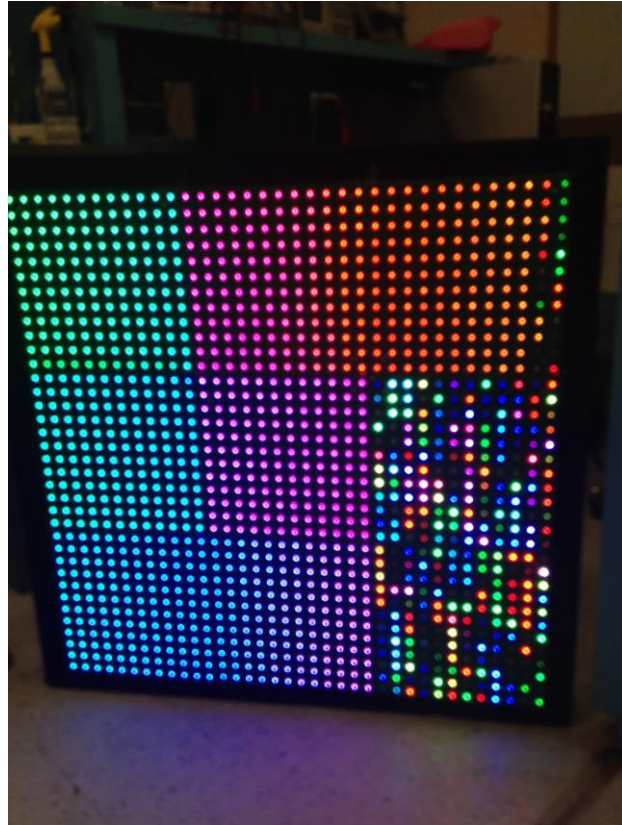
System Overview



Cost

Part	Development	Production (1000)
Raspberry Pi	\$40	\$40
Power Supply	\$105	\$105
WS2812 LEDs	\$145	\$100
PCBs	\$105	\$69.84
Total	\$395	\$314.84

Demo



Questions?

