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Parts & Tools

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Building Blocks   Frameworks

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Open Source Input Transducer Modules

Submitted by mad on October 8, 2015 - 2:09pm

Microcontroller boards provide a cost-effective and efficient solution to interface computers to the environment, measure sensor values or control actuators. For assistive application in particular, microcontrollers can be interesting to explore alternative input methods or provide means to interact with or manipulate the environment.

Get started   Learn more

Microcontroller boards provide a cost-effective and efficient solution to interface computers to the environment, measure sensor values or control actuators. For assistive application in particular, microcontrollers can be interesting to explore alternative input methods or provide means to interact with or manipulate the environment.

The Arduino component provides an interface to the popular Arduino Uno microcontroller and makes available analog inputs and digital inputs and outputs. Similarly, an interface to the Teensy controllers or other types of microcontroller platforms can be provided on demand.
The Arduino component provides an interface to the popular Arduino Uno microcontroller and makes available analog inputs and digital inputs and outputs. Similarily, an interface to the Teensy controllers or other types of microcontroller platforms can be provided on demand.

Potential Applications

- Measure analog data of a bend sensor, force sensor, accelerometer, gyrometer, pressure sensors, proximity sensors
- Attach (selfmade) switches/buttons as digital inputs to control computer applications or provide mouse/keyboard alternatives
- Use digital outputs to control actuators (on/off lights, servo motor,...)

Activity

Last Commit: 2 days ago

2,367 Commits

324 Contributors

Further Resources

AsTeRICS homepage

Videos/Demos

Downloads and Documentation

Code Repository

Solutions:

Adjustable or Alternate Input Devices Special / General

Needs:

Physical Disabilities

Implementation Technologies:

C
C++

Dependencies

None

License:

MIT

Technology category:

Microcontrollers

Source Repository:

https://github.com/asterics/AsTeRICS

Contact:

https://wiki.gpii.net/w/FHTW

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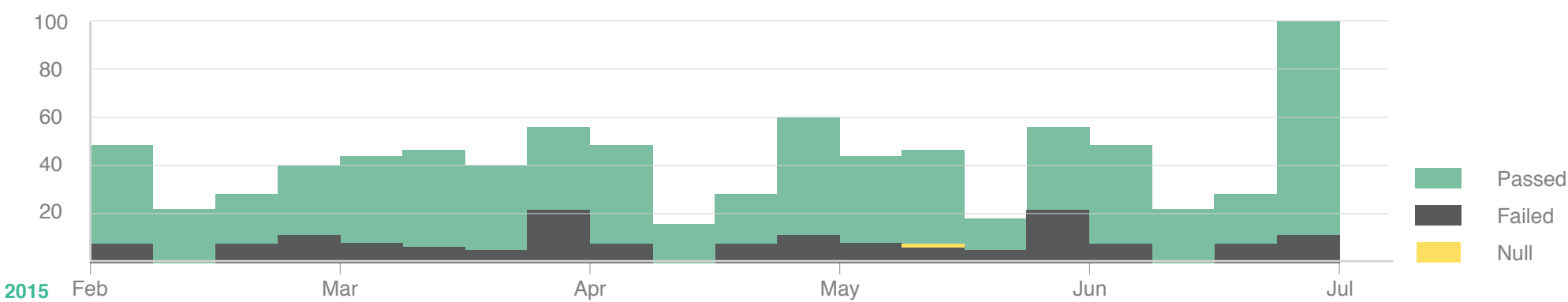*Submitted by mad on October 8, 2015 - 2:09pm*

6 Month View

Builds

Last build passed
5 of 5 last builds passed
Total Builds: 3,100

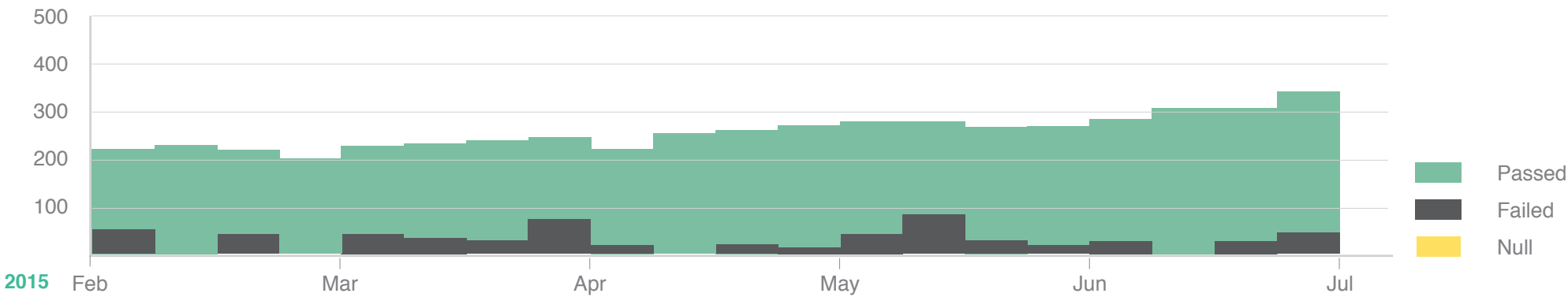Source: Jenkins

Number of builds   Use ← and → to scroll

Passed
Failed
Null

Tests

Last test failed
Total Tests: 23,400

Source: Jenkins

Average test per test run
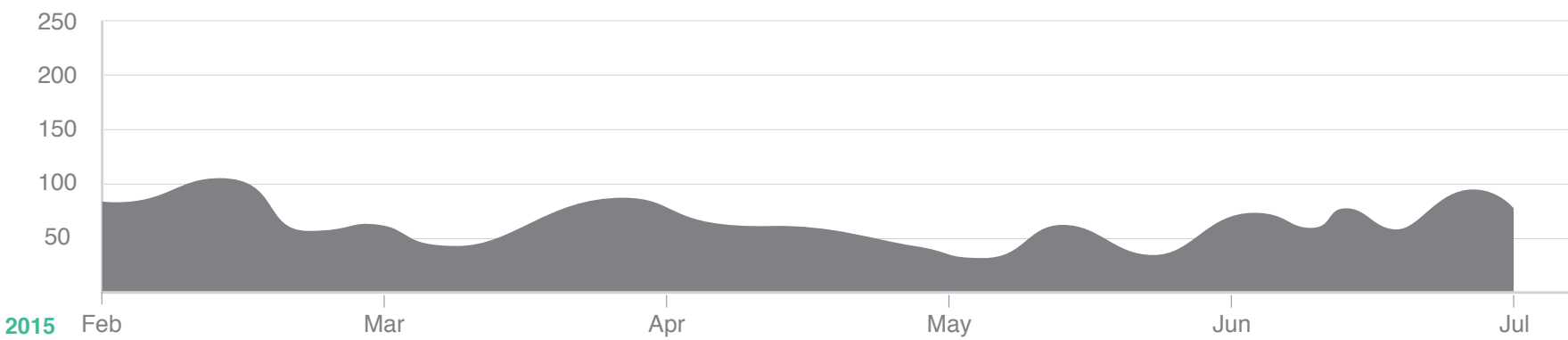
Passed
Failed
Null

Contributors

2,787 People have contributed.

Source: Github

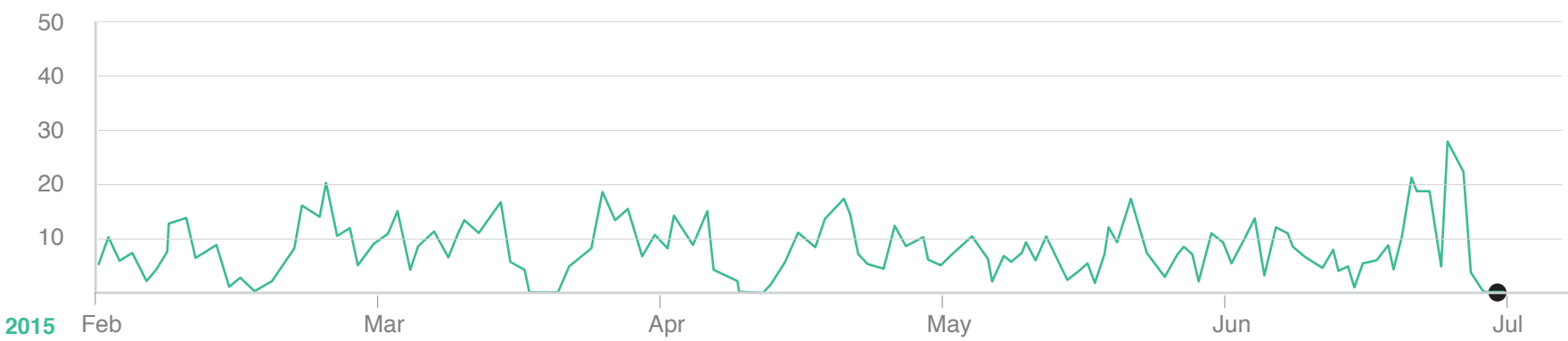**Amount of contribution**

Commits

Last commit made 2 days ago.
3,429 Commits made by dhh.
Total Commits: 52,512

Source: Github

Number of commits

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Submitted by mad on October 8, 2015 - 2:09pm

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Build	Admin	Type	Date	Duration	Log
✓ #180	👤 mad	Pull #122	33 min ago	5 min 47 sec	⬇
✓ #179	👤 jobara	Pull #121	2 days ago	3 min 40 sec	⬇
✓ #178	👤 mad	Pull #120	2 days ago	10 min 22 sec	⬇
✓ #177	👤 jobara	Pull #119	3 days ago	5 min 18 sec	⬇
✕ #176	👤 jobara	Pull #118	1 week ago	22 min 47 sec	⬇
✓ #175	👤 Till	Pull #117	1 week ago	5 min 47 sec	⬇
✕ #174	👤 jobara	Pull #116	2 weeks ago	8 min 26 sec	⬇
✓ #173	👤 jobara	Pull #115	2 weeks ago	3 min 58 sec	⬇
✓ #172	👤 cli	Pull #114	2 weeks ago	4 min 34 sec	⬇
✕ #171	👤 jobara	Pull #113	3 weeks ago	5 min 26 sec	⬇
✓ #170	👤 cli	Pull #112	1 month ago	2 min 18 sec	⬇

Search All ...

Search Results For: Head Tracker

Choose a subsection...   Sort by ...

Found 38 items   ‹ Page 2 of 4 ›

	Title		Type	Author	Status	Update	Language	Operation
☑	Open Source Input Transducer Modules	updated	Building Block	mad	published	2015-10-08	English	
☐	URC SocketBuilder 1.2		Building Block	Lukas	published	2015-10-08	English	
☐	Head controlled mouse (Windows)		Building Block	mad	published	2015-10-08	English	
☐	jActivity		Framework	till	published	2015-09-30	English	
☑	Head controlled mouse (Windows)	updated	Framework	mad	published	2015-10-08	English	
☐	jActivity		Framework	till	published	2015-09-30	English	
☐	Head controlled mouse (Windows)		Building Block	mad	published	2015-10-08	English	
☐	jActivity		Framework	till	published	2015-09-30	English	
☐	Head controlled mouse (Windows)		Building Block	mad	published	2015-10-08	English	
☐	jActivity	updated	Building Block	till	published	2015-09-30	English	
☐	Head controlled mouse (Windows)		Building Block	mad	published	2015-10-08	English	
☑	jActivity		Framework	till	published	2015-09-30	English	
☐	Head controlled mouse (Windows)		Building Block	mad	published	2015-10-08	English	
☐	jActivity		Framework	till	published	2015-09-30	English	
☐	Head controlled mouse (Windows)		Building Block	mad	published	2015-10-08	English	

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Compare Selected Items

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Comparing Results For: Head Tracker

6 Month View ▾

Title	Buids	Tests	Commits	Contributors

☑ **Open Source Input Transducer Modules**

By mad

Project description There are many variations of passages of Lorem Ipsum *show more...*

Number of builds   Use ← and → to scroll

100
80
60
40
20

2015 Feb   Mar   Apr   May   Jun   Jul

Passed
Failed
Null

☑ **Head controlled mouse (Windows)**

by mad

Project description There are many variations of passages of Lorem Ipsum *show more...*

There are no graphs available for this item

☑ **jActivity**

By till

Project description There are many variations of passages of Lorem Ipsum *show more...*

Number of builds

100
80
60
40
20

2015 Feb   Mar   Apr   May   Jun   Jul

Passed
Failed
Null

Back to Search Results   Update List