

# **buildmadison**

**PRESENTED PROJECTS – SEPTEMBER 2012**

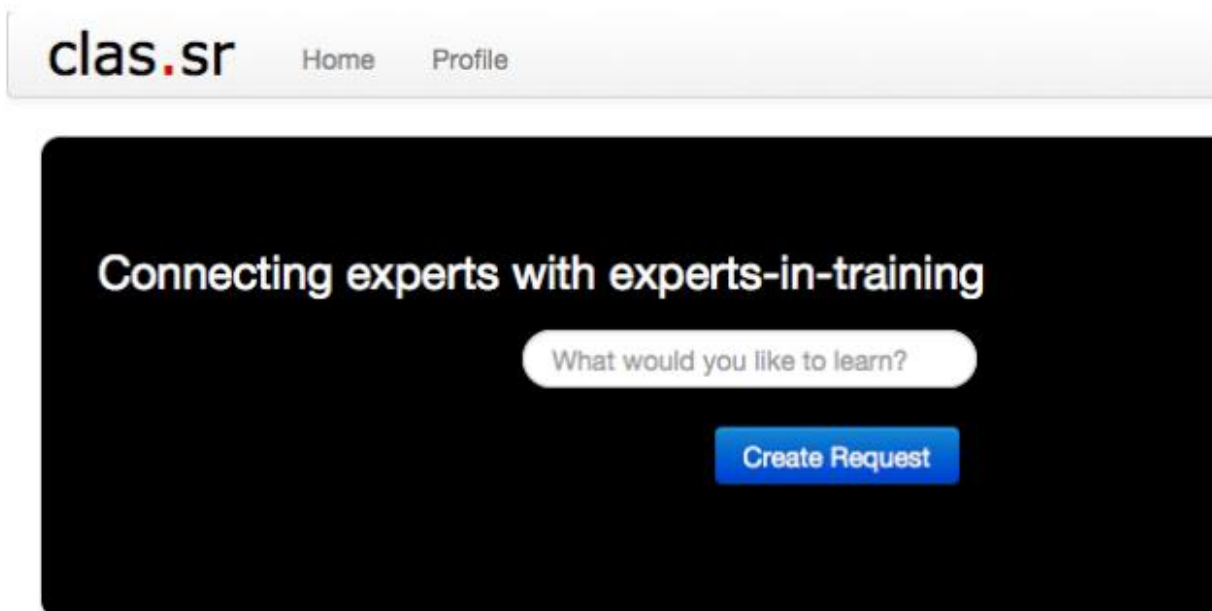
## CLAS.SR

**Awards:** Best in Show, Most Functional

**Team:** Matt Luedke, Zach Gohr, Ben Hoppe, Sindhu Raju

**Description:** Clas.sr is a peer-to-peer network that connects experts in any given topic with experts-in-training, for short educational chat sessions using video or screensharing.

Available at: <http://gmk.zgohr.com/>



# City Citer

**Awards:** Most Beneficial to Madison, SupraNet Prize

**Team:** Eve Galanter, Chris Keller, Paul Klemstine

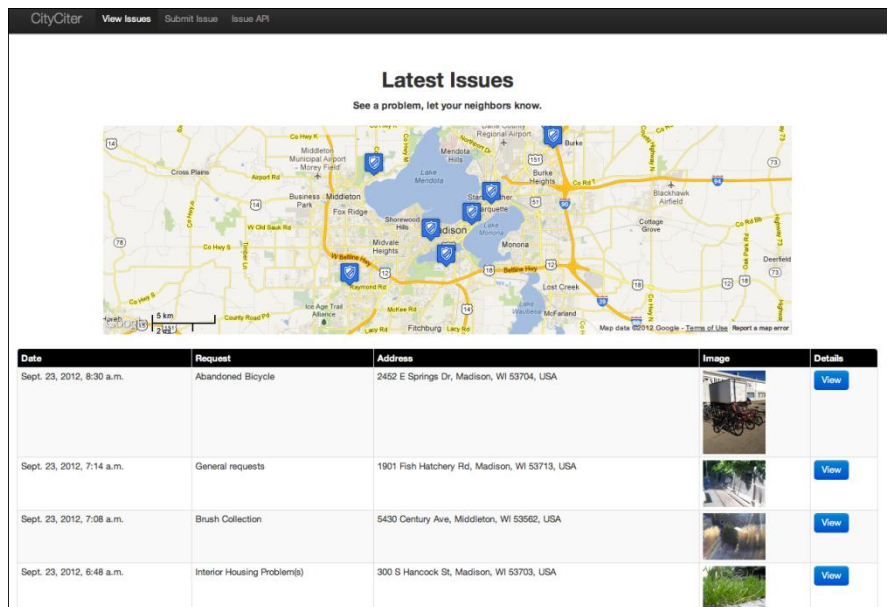
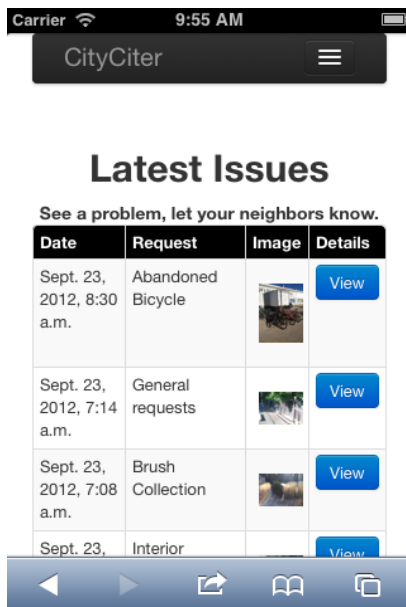
**Description:** City Citer is a multi-device platform that allows everyday citizens to submit information about quality of life issues and problems they feel a municipality can address.

Using a smartphone web app, a native Android app, or their laptop, desktop computer or tablet, you and your neighbors can send images and descriptions of these issues and opportunities, which can be rated and given priority over other issues.

## FEATURES

- \* Open Source with a repp on GitHub.
- \* Interface to GET from and POST into the database from devices and browsers.
- \* Native Android app pulls geolocation and user information to auto-populate data fields
- \* Photo uploads work on Android and web browsers. Photo uploads coming for iOS 6 Safari

Available at: <http://madsafety.nwsmkr.com/issues/>



## PIGLET (Police Interception Gear Loses Every Thing)

**Awards:** Biggest Potential Impact, People's Choice

**Team:** Brendan O'Connor

**Description:** PIGLET provides a personal, wearable computer that searches for open WiFi signals and connects; having gained a connection to the Internet, it then provides a strong, encrypted tunnel for the user's traffic, and gives the user a secure WiFi hotspot to allow all the user's devices to utilize strong privacy guarantees without configuration or any knowledge on the user's part.



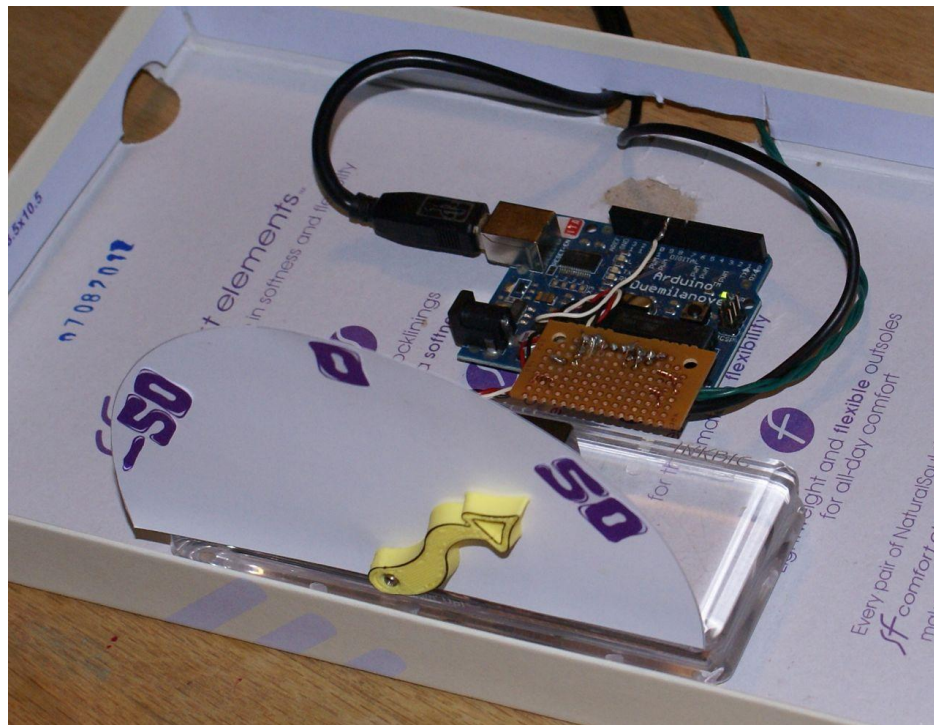
## Audio Video Synchronization Offset Measurement Device

**Award:** Most Innovative

**Team:** Dennis Adams

**Description:** Home theater enthusiasts invest in expensive displays and audio systems because they know that great picture and sound contribute to the enjoyment of movies. However, they may not realize that their system might not be presenting the picture and sound precisely synchronized as it was intended. Small sync errors (also known as "lip sync" errors) reduce immersion in the movie, and large sync errors make viewing annoying and tedious.

Unfortunately, in most cases it is the picture that is late (due to extra processing in modern flat panel) and this is the opposite of how it happens in nature so we're particularly sensitive to it. While you can buy calibration discs and sound pressure level meters to tune your AV system, I couldn't find any consumer device to measure the AV sync, so I designed and built one at Build Madison. The prototype uses an Arduino microcontroller with light and sound sensors added. When you play a special file, DVD, or Blu-ray Disc containing synchronized flashes and beeps it measures and displays the offset between them. You can use this value to adjust your AV receiver to add a delay to the audio to match the video (note that HDMI version 1.3 includes a Lip Sync feature that allows a display to report its latency so the receiver can compensate but your display and receiver must both have this feature to use it, and so many people have to adjust this setting in their receiver manually, or might want to know if the feature is working correctly). This technology could be built into an SPL meter and sold as part of a calibration kit.



## ScroogeBuster

**Award:** SupraNet Prize

**Team:** Abby Larner, Aaron Larner

**Description:** Scrooge Buster is a shared Christmas wish list. Users can create a list, share with friends, and claim items on friends' lists. This helps prevent overlaps in gift giving. Scrooge Buster also links to amazon to help users find the perfect gift item for friends and family!

Available at: <http://scroogebuster.com>



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## Hacker Care

**Award:** American Family Insurance Prize

**Team:** Adam Sage Godding


**Description:** Affordable group health coverage for self-employed individuals.

# Hacker Care

Welcome to **Hacker Care**, a site to help hackers/makers/entrepreneurs find and purchase the least expensive insurance available. We do the research and negotiate the lowest possible rates **because you have better things to do!**

**This is a beta site.** We just quit our jobs to do something more exciting and we needed health insurance. We are looking for people like us to make this thing work and to provide affordable health care to all of our friends who are self-employed. Please take a moment, sign up, provide us with your contact information and answer a few basic questions about yourself.

**Another happy hacker who doesn't have to worry about insurance!**



Name

Email

Age ☐ 18-26 ☐ 27-35 ☐ 39-49 ☐ 50+

Sex ☐ Male ☐ Female

Smoke? ☐ Yes ☐ No

Pre-existing Condition? ☐ Yes ☐ No

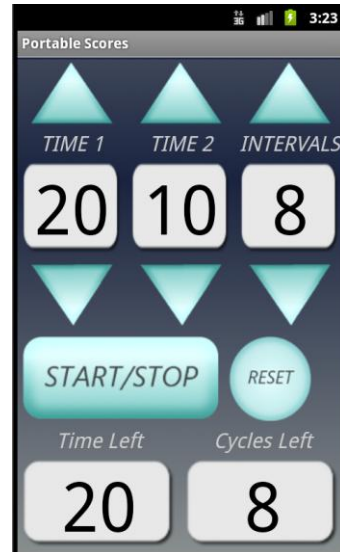


## Interval Timer for Portable Scores

**Award:** Sony Prize

**Team:** Shannon Younger + Bob Baddelly

**Description:** This is an application that works via bluetooth to communicate with a portable scoreboard. It enables easy interval workouts with a visual countdown. Users can manipulate the amount of time for the intervals as well as the number of intervals. It also has a buzzer component that can be turned on or off.



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## Passive Grille Shutters

**Award:** Sony Prize

**Team:**

**Description:**

**TEAM INFO NOT YET RECEIVED!**

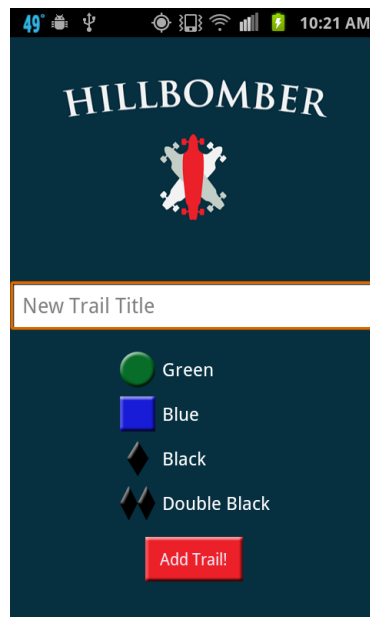
**TEAM: PLEASE EMAIL THIS TO [CONTACT@BUILDMADISON.ORG](mailto:CONTACT@BUILDMADISON.ORG)**

## HillBomber Longboarding App

**Team:** Will Alt, Pete Collins, Michael Fenchel

**Description:** HillBomber is an app for Longboarders that turns the entire globe into a database of trails to hit. On Android and iPhone, it allows anyone to create and upload a trail and mark its difficulty to share with anyone else who uses the app. It provides a map interface that determines your location and presents trails that are nearby.

Available at: <https://play.google.com/store/apps/details?id=com.hillbomber>



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## Revolution Kitchen

**Team:** Jamie Holzhuter, Jesse Ransom, Trevor, Kenny

**Description:** A bike food cart serving magical coffee and food.

Available at: <http://revolutionkitchen.com/>

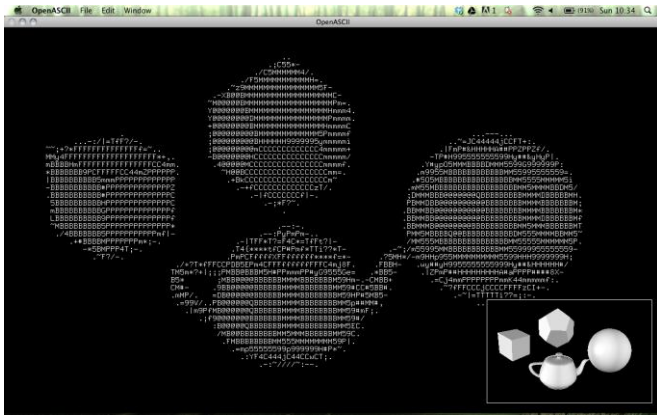




## 3D ASCII renderer

**Team:** Ryan Zoerb, Andrew Zoerb

**Description:** Makes an ASCII version of pretty much any 3D object.

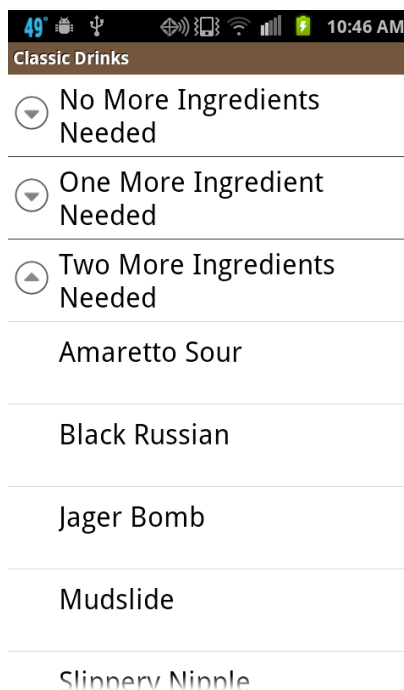


## Pocket Bartender

**Team:** Adam Eggum, Justin Smith, Ian Powell, Alex Smith, Matthew From, Yuen Lye Yeap

**Description:** We worked on a mobile application for the 'Pocket Bartender'. It will allow you to see what drinks you can make with the alcohols you have and, also it will allow you to see what other types of drinks you would be able to make if you're willing to buy one, two, or three more drinks.

Many more features are planned in the future.

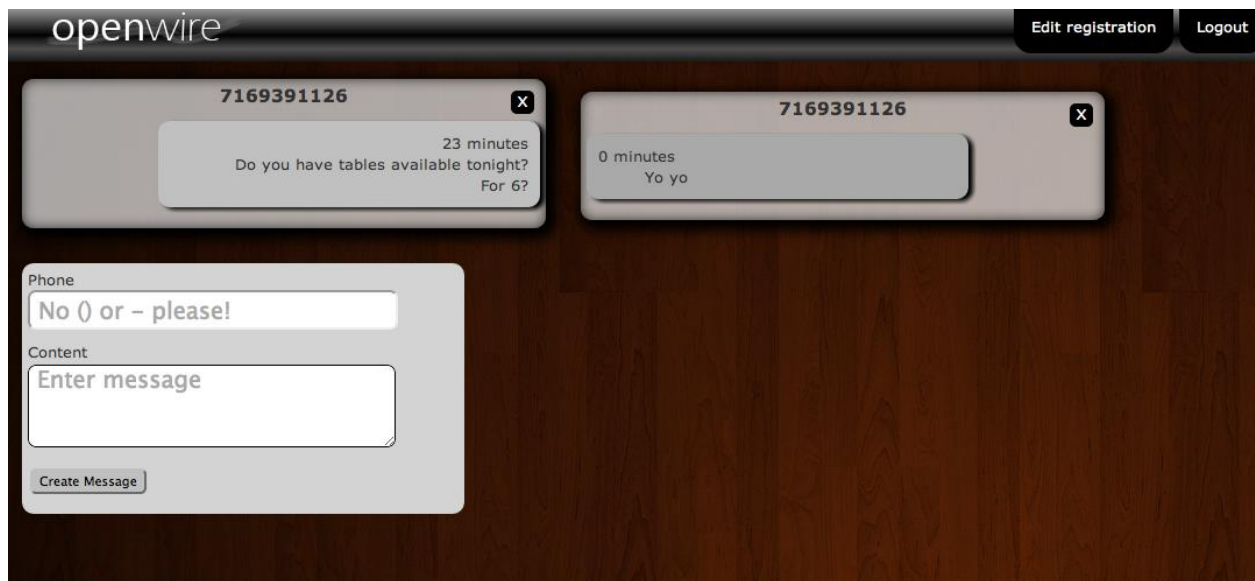


# OpenWire

**Team:** Brad Orego, Adam Braus

**Description:** OpenWire is a person-to-vendor SMS and email client that allows you to get the information you want when you want it. With OpenWire, you can text or email questions directly to a delegate at the venue of your choice and receive a reply ASAP. Get your info on the Wire!

Available at: <http://www.openwire.co/>



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## Video Game: Mental

**Team:** Jacob Hanshaw

**Description:** What I developed at Build Madison, was a game app called Mental which is a new take on the side scrolling genre. The idea of the game is that the player is an individual lost in the world of his own mind as his or her mental world begins to unravel. The player progresses through this puzzle game by popping inter-dimensional objects from each room (which takes up the entire iPhone screen) and using them in a different room.

The game mechanic has been developed and programmed for iOS devices, so moving forward, I'll be working on level design, plot, and finding an artist. I made this game to develop my skills, but I believe it has market potential. I'm thinking about having a kickstarter to either make the code open source or free on the app store.

## Homemade Soap

**Team:** Heather Wentler, Amy Gannon

**Description:** Making soap from scratch. Build Madison Soap: Keeps entrepreneurs fresh!



Live Blog: <http://www.capitalentrepreneurs.com/live-from-build-madison-2012/>

Pictures: <http://southpolesteve.smugmug.com/Events/Build-Madison-2012>

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