



MaKeathon @ Kellogg

Call for Need Knowers

<http://www.makeathonnu.tomglobal.org/>

Northwestern
Kellogg


Tikkun Olam Makers
by the Reut Group

McCORMICK SCHOOL OF
ENGINEERING

SegalDesignInstitute
NORTHWESTERN UNIVERSITY

What is the Makeathon?

The Makeathon brings Makers (engineers, designers, innovators and problem solvers) together with **Need-Knowers** (people with a deep understanding of a specific disability challenge) to develop extremely affordable solutions for real-life challenges.

Teams of Makers are paired with a need knower to build a product to address the Need-Knower's unmet need over the period of a 3-day weekend. The Need-Knower gets to keep the product at the end of the weekend and the design is open for anyone in the world with the same need to use free of charge. Maker Teams want to challenge un-met needs that currently don't have a solution today so they can then provide the solution to the many others who have the same need.

What is Required from Need-Knowers?

- Submit an application by April 5
- Be able to meet with paired Maker team on April 12. Transportation will be provided if needed.
- Be able to attend the Makeathon at the Evanston Campus of Northwestern University on April 28, 29, and 30 to work with your Maker team as they develop your product. Transportation will be provided if needed.

Important Dates

Need Knower Application Deadline	April 5
Selected Need Knowers Informed of Selection	April 7
First Introduction to Maker Team	April 12
Makeathon @ Kellogg Weekend	April 28-30

Apply Here

<http://www.makeathonnu.tomglobal.org/needknowers>

Success Stories



Kim's Grabber

Kim was born without arms and legs, so has to rely on others to help her reach everyday items. Makers at TOM: San Francisco developed a 'gabber' for Kim to use her mouth to grab and move objects.

Vital's sensor

Designated parking spaces are helpful, but when people park too close to a specialist car, this can mean there is not enough space for wheelchair users to get it. This sensor lets nearby cars know so they can move out of the way.

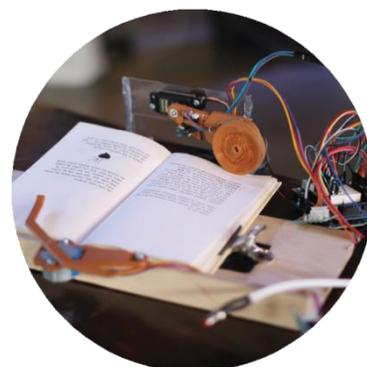


Ran's leg support

Ran is a wounded veteran, paralyzed from the knee down. Makers at TOM: Jerusalem developed this electronic support system to let him know when his leg is under too much pressure, saving him from severe pain.

Sefi's page turner

Sefi is paralyzed from the neck down, so needs help for many day-to-day activities. He loves reading, so Makers at TOM: TLV created a 3D-printed machine that can turn the pages for him, using a simple system of electronics and elastic bands.



Rehabilitation Gamification

Makers and programmers at TOM:TLV created an interactive rehab game that counters the monotony of rehabilitation exercises. As opposed to virtual reality rehabilitation rooms that can cost upwards of \$1 million, this system (including tablet) costs under \$1000.

Check out other success stories here:

<http://tomglobal.org/makeathons/tomisrael>