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SHack Budapest

#Code4Impact

Health & Wearables

Final Report

Feb 20-22, 2020 | Budapest, Hungary

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In co-organisation with



With kind support of



Conducted by



Co-funded by the
Europe for Citizens Programme
of the European Union

SHack Budapest

a. Evaluation for partners

Visibility of partners within the SHack Budapest promotion and event:

a. Website & Social Media

Visibility of the partners with logo and link on all subpages related to the SHack Budapest:

<https://eu-youthaward.org/shack-budapest-2020/>

as well as on all posts dedicated to the SHack Budapest on social media channels and the Facebook event page.



b. Press Releases

Placement of partners' logos and statements on the Press Release dedicated to the SHack Budapest and sent out to EYA's network and media partners and media contacts (approx. 40 network partners, 30 media partners, over 1000 contacts).

c. Slides

Placement of partners' logos on all slides displayed during the event.

d. Badges

Placement of partners' logos on badges distributed to all participants, coaches and jurors.

e. Roll up

Placement of partners' logos on the roll up produced for the event.



b. General Information

For the second time in Budapest, EYA organized a SHack (Social Hackathon) to gather young creative minds in order to plan, design, and create impactful prototypes together.

The **SHack Budapest** was a three-day event and took place in co-organisation with Moholy-Nagy University of Art and Design at their new campus from February 20-22, 2020.

Students from five universities - Moholy-Nagy University of Art and Design, Corvinus University, Eötvös Lóránd University, Semmelweis University, and the Technical University – as well as other young change-makers from Hungary and beyond joined to collaborate. The different backgrounds of the participants did good to enhance their productivity, creativity and imagination There was no age limit, working language was English.

Help from **coaches** from 10 different countries was available for the participants during the whole of the event. They gave feedback on the site and enriched the participants' ideas with their expertise and experience. Also, **online coaches** were available on Friday via Skype to support the participants by giving valuable feedback for 30 minutes.

Each team had 4 minutes to pitch their project. An international and interdisciplinary ten-headed jury evaluated the projects and pitches and selected the best two. The teams were awaited by tickets for the "Boston Minds Conference" with John Malkovich in Budapest, a boosting workshop conducted by eit Health, a trip one of the next EYA events other non-cash-prizes.



c. Theme

The SHack Budapest focused on **“Health & Wearables”**.

d. Participants

In total 24 young engaged participants joined the event. They were mainly students from:

- Design Institute and Institute of Theoretical Studies, Moholy-Nagy University of Art and Design;
- Faculty of Business Administration / Institute of Marketing and Media, Corvinus University;
- Faculty of Social Sciences / Department of Sociology, Eötvös Lóránd University

and worked together in interdisciplinary teams of 1-5. They developed 6 creative projects.



e. Coaches

The following coaches provided the participants with guidance during the SHack onsite:



- Wolf Becvar, UX professional, COO HotGloo, writer, speaker, Austria
- Darko Bozhinoski, Postdoctoral researcher | Delft University of Technology, Netherlands
- Damjan Damnjanovic, Co-founder | Health Tech Lab, Serbia
- Julianna Faludi, Assistant Professor | Corvinus University of Budapest, Hungary
- Balázs Fekete, Marketing & Designcommunication Specialist, Media Designer, Hungary
- Tünde Gal, UX Designer | GE Healthcare, Hungary



- Gergely Galovics, PhD student | Doctoral School of Sociology at Eötvös Loránd University, Hungary
- Beáta Kurucz, Regional Manager | EIT Health InnoStars, Hungary
- Zsófia Lévai, Fashion-tech designer, Hungary
- Amila Mujkić, Richmond Park International High School, Bosnia & Herzegovina
- Eda Mushe, Digital Specialists | Makedonski Telekom AD, North Macedonia
- Timo Rostedt, Lead Designer | Gofore Oy, Finland



- Salome Sakvahdze, Member of Business Development team | INPUT, Hungary
- Dženana Selimović, Student | Mathematical Gymnasium „Meša Selimović“, Bosnia & Herzegovina
- Franziska Uhing, Professor for Interactive Media | FH Kiel, Germany
- Geena Whiteman, Research Assistant | Oxford Brookes, UK
- Zejd Xhafce, Local Expert | Turkish Embassy, Kosovo

f. Online Coaches

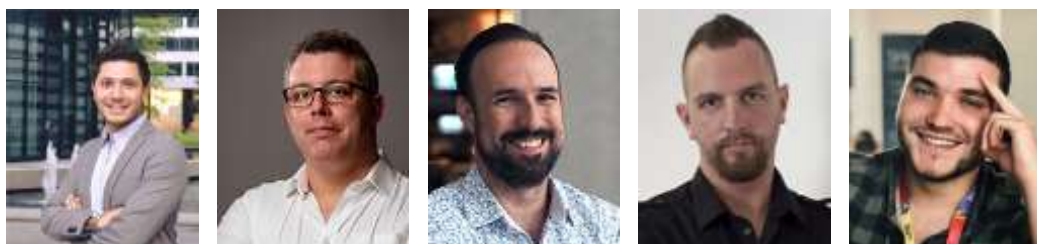
The following coaches were available for the SHack participants remotely for 30-minute coaching sessions.



- Taghrid Elsahkr, Scum Master | SimCorp Developer, Austria/Egypt
- Shwethal Shah, International Technology Partnerships Planner | MediaCom Global, UK/India
- CEO, Android and IOS Software Developer | Studentist, Switzerland/Romania
- Fatima Tambajang, Head of Bussiness Development | CYST & Mazzuma, Ghana
- Adrian Wegener, Founder | Eye Build It, Germany
- Branko Vasiljevic, Business developer | DVC Solutions, Bosnia and Herzegovina
- Matthias Fritsch & Stefanie Theis, UI/UX Designer & Service Designer at MAN Truck and Bus SE, Germany

g. Jury

The developed applications and prototypes were evaluated be the ten-headed expert jury selecting the SHack Winners.



- Abdul Rahman AlAshraf, Founder | FreeCom, Germany/Syria
- Tamás Békási, RIS Business Creation Project Manager | eit Health, Hungary
- Dávid Birkás, Senior Manager of User Experience and Engineering | GE Healthcare, Hungary
- Tamás Fogarasy, Designer | Exalt, Hungary
- Marko Jankovic, Student | MEF Faculty Belgrade, Serbia



- Mihály Kiác, Business Developer | INPUT, Hungary
- Kambis Kohansal Vajargah, Managing Partner vendevio & Carployee, Austria/Iran
- Nadja Petrović, President of Student Parliament and member of Career Guidance at MEF Faculty, Serbia
- Irene Polycarpou, Professor of Technology and Innovation in Education | University of Central Lancashire, Cyprus
- Susanne Urschler, Head of the Micronetworks unit | Styrian Business Promotion Agency (SFG), Austria

h. Developed Projects

The teams had **only very limited time** (Friday, Saturday morning) to develop their projects and prototypes and prepare their presentations. Nevertheless, they came up with 6 great and well elaborated projects and convincing pitches.

Winning project

SUNNER



Producers: Youstina Azer, Sámuel Balázs, Beatryss Rats, Márton Rozsáli, Shady Taodharo

Platform: bracelet + mobile app

Global warming is one of the biggest challenges that is threatening our well-being on Earth. One of the side effects of global warming is that it is not taking a lot of attention, is skin cancer, as it infects a high percentage of children.

SUNNER is consisting of a wrist band with an "Ultra Violet" sensor that detects the percentage of the UV radiation that the person is receiving, then sends this signal to a mobile phone in the form of a UV index number.

The mobile application receives this notification, and displays it in the form of a colored sign, showing if the radiation is weak, moderate or strong. SUNNER is targeting young kids, and that is why it this mobile application is developed to receive notifications on the parents' phones. In a case of exceeding the limit of safe radiation, SUNNER is advising them with the actions that can be taken to save the kids from being affected.

In addition, the application will be having more information about skin cancer diseases, statistics describing the information collected from the bracelet, and it will be open for further development in the future.



2nd place

SENSI-SKIN

Producers: Csenge Györbíró, Dóra Sáska, Mohammed Seridi, Pramod Kumar Sethy

Platform: Innovative sport garment

Sensi-skin is an innovative sport garment for people suffering from skin problems (e.g. eczema). Each special item was designed to tackle typical eczema-zones. The garment has invisibly implemented parts which are wicking sweat and deliver medicine during the activity. During exercise, drug is released from a smart polymer gel, called hydrogel, which works as a sweat-activated biosensor.



Other developed projects

EmPin



Producers: Hanga Kiss, Omar Al-Hajjar, Priscilla Steigervald, Panni Petró & Dóra Becker

Platform: application + device

EmPin is a device which helps you better communicate your current feelings, mood or simply helps you start a conversation with the people around you, promoting empathy and openness in our closed and indifferent world. Use the app to select the icon, picture or animation that best describes your current state then let the image start the talking for you. It's ideal for events, meeting and social programs but also for personal use.



Tryg

Producers: Dóra Bakos, Leny Keo, Husnain Waris Ali

Platform: device

Tryg's mission is to ensure the safety of cyclers and promote the bike culture. Tryg are **gesture-controlled bike indicators** sold in sets which will include two gesture wrist bands (L+R) and a LED panel displaying arrow signs when indicating. The wrist bands are sending a signal to the panel using a Bluetooth connection.



Keep me Healthy



Producers: Yahia Anane

Platform: Android, IOS app

Keep me Healthy is for people which spend long time/sit in front of computer screen, it works as a reminder/warning for several healthy habits like eye workout, sketching, body posture correction.

ErgoWear

Producers: Omar Al-Hajjar

Platform: Arduino

The project mainly is for workers in different occupational places where they have hard ergonomics to follow it will teach, protect and mentor them if they are following the ergonomics of specific situation.



i. Event Program

Thursday, February 20, 2020

16.30-16.45 | Welcome and official opening (*open for public*)

with partners and friends

16.45-17.15 | "What's the purpose of the SHack Budapest? – Idea, Procedure & more"

Speaker: Birgit Kolb, EYA Project Manager

17.15-17.45 | Ultracool inspirational Keynotes

- "Healthcare Tech Trends" by Abdul AlAshraf, Founder Freecom, Germany/Syria
- "Think like a Healthcare Designer" by Dávid Birkás, GE Healthcare Life Sciences Digital, Hungary
- "Fashion Tech – Does your body speak the language of technology?" by Zsófia Lévai, Fashion-tech designer, Hungary
- „EIT Health – great opportunities for students and entrepreneurs" by Tamás Békási, EIT Health, Hungary

17.45-18.15 | Networking Games | Get to know your colleagues

18.30-19.00 | Brainstorming Idea

19.00-19.30 | Ideas Pitching & Feedback

19.30-20.00 | Group Forming and start!

Friday, February 21, 2020

9.00-20.00 | Work on your digital prototypes!

(snacks, beverages and lunch provided throughout the day)

Onsite and Online Coaches giving advice throughout the day

Saturday, February 22, 2020

9.00-15.00 | Work on your digital projects!

(snacks, beverages and lunch provided)

Onsite and Online Coaches giving advice throughout the day

14.30-15.00 | Hand in your prototypes *(all information published on eu-youthaward.org)*

15.00-16.15 | Presentations, Testing and Jury *(open for public)*

4 minutes pitches by the teams and Q & A

Moderator: Birgit Kolb, EYA Manager

16.15 | Awards Ceremony, Wrap Up, Dinner & Afterparty!





j. Feedback from participating Experts and Jurors

"It was a great pleasure to be part of the Social Hack in Budapest. I was very impressed by the students' serious focus on their target. It was enlightening to see how they responded to feedback. Of course, the keynotes also brought new topics on my map. As for European contacts, I am very happy to have had the chance to talk to great people from countries like Hungary, Austria, Serbia and Bosnia and I saw perspectives towards the EU, that I did not know before, living and working in Kiel, Northern Germany."

- Franziska Uhing, Professor for Interactive Media | University of Applied Sciences Kiel, Germany

"I am totally amazed by all the innovative solutions that have been made by diverse teams at SHack Budapest. Coaching winning teams, helping them prepare final pitches, and discussing various technologies gave me a wonderful experience. I am proud that I am a part of EYA community and I can't wait for the next event."

- Amila Mujkić, Student | Richmond Park International High School, Bosnia and Herzegovina

"I would like to thank the whole EYA team which organized this event. It was a great experience. Taking part for a second time in a row showed me a glimpse of the progress we can make with continuous improvement and involvement."

I was also glad to see that the participants were very engaged, inspiring and full of energy. I think that we should apply their spirits to our everyday lives rather than just on organizations."

- Zejd Xhafce, Local Expert | Turkish Embassy, Kosovo

"EYA is always changing boundaries and going deeper into science, speaking about new materials and how they can help future patients really moved me. GREAT TEAM "SENSI - SKIN" that won 2nd place showed how the minds of young people can change our future in 72h. Hope that future is bright with such smart kids, I have once again enjoyed EYA SHack and hope that the knowledge and the value that I brought will be needed in the future."

- Damjan Damnjanovic, Co-founder | Health Tech Lab, Serbia

"In this very day and age, we see firsthand how important it is to think about innovative solutions for the health sector in any possible way before a problem even starts to exist. And you need a bunch of creative people who think outside the box, just like the students at SHack Budapest, to come up with great ideas!"

- Wolf Becvar, UX professional, COO HotGloo, writer, speaker, Austria

"Firstly, I would like to state that the whole experience to this day with EYA has always been an eye-opening and very fulfilling one. And the latest SHack Budapest has also been very educative and insightful experience both for my personal and professional life. It was a great pleasure to be able to see the participants get engaged in innovative and helpful ideas. Which was very interesting for me was that all of the teams were focused on the helping and problem-solving aspects of their projects rather than monetarization and capitalistic ones."

- Eda Mushe, Digital Specialist | Makedonski Telekom AD, North Macedonia

"For young entrepreneurs, Europe, especially in the recent years, is a great and prosperous place, with several opportunities. Programs like SHack Budapest, organized by EYA, gives a life alternative for young people, by helping them to discover their inner innovator, connecting to other enthusiasts with similar mindset, - but different skills and background - boosting their knowledge with professional mentors, and at the end of the day, launching some new teams in the European startup scene."

- Tamás Békási, Regional Innovation Scheme Business Creation Project Manager | EIT Health InnoStars, Hungary

"Being a coach was such a rewarding experience. In the interaction with this young, enthusiastic crowd I had opportunity to share my tech experience and knowledge, while also learning a big deal about how these young people perceive the current state of the world, we live in. It was really great to see young people passionately working on their ideas, using the help of coaches to transform it into a meaningful solution that can be easily applied in real world. It is just an impressive process."

- Darko Bozhinoski, Postdoctoral researcher | Delft University of Technology, Netherlands

k. Media Report

a. Press releases related to the Shack Budapest

February 24: [Wearable health solution for UV protection created by Budapest students](#) (English)

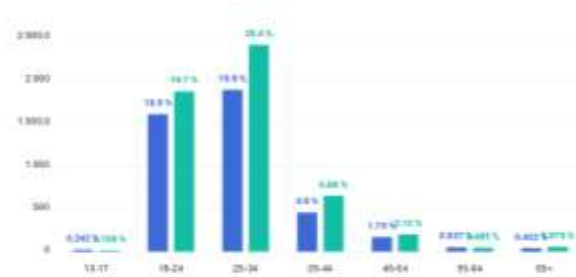
February 7: [Budapest Universities cooperate to create digital health solutions](#) (English)

b. Clippings related to SHack Budapest:

- [Viselhető okoseszköz az UV-védelemért: budapesti hallgatók fejlesztése a MOME és az EYA fashion tech hackatonján](#) (MOME, Feb 28)
- [SHack Budapest](#) (We Love Budapest, Feb 2020)
- [Budapest Universities cooperate to create digital health solutions](#) (Daily News Hungary, Feb 7)

c. Social Media

- The Facebook event “Shack Budapest” was delivered to 9.339 users and 95 users interacted on the event page. 55 % of the audience being Hungarian women.



- The separate Facebook event “Public Pitch Presentations” was delivered to 4.157 users and 47 users reacted to the event.
- 11 Instagram posts created a total of 448 interactions
- 22 Tweets in the 14 days prior to the event peaked in an interaction rate of 2.1% on Feb 19, 2020

l. Photos of the Event

Photos are published in posts and galleries on various social media channels. A collection of all photos taken at the event are assembled on flickr: <https://flic.kr/s/aHsmLEVpwG>

m. Best of Video

<https://youtu.be/-2RPgGJsLlo>

n. Partners and Supporters

