

Problem 1: according to <u>Eurostat</u>, only 21.8% of tech specialists in Estonia are women.

Problem 2: strong gender inequality in taking extra STEM course outside school between age 7-12* (for every 10 boys there is 1 girl – not confirmed data!)

^{*}Transferwise study, FLL, Robotex, RAK

Regionaalsus

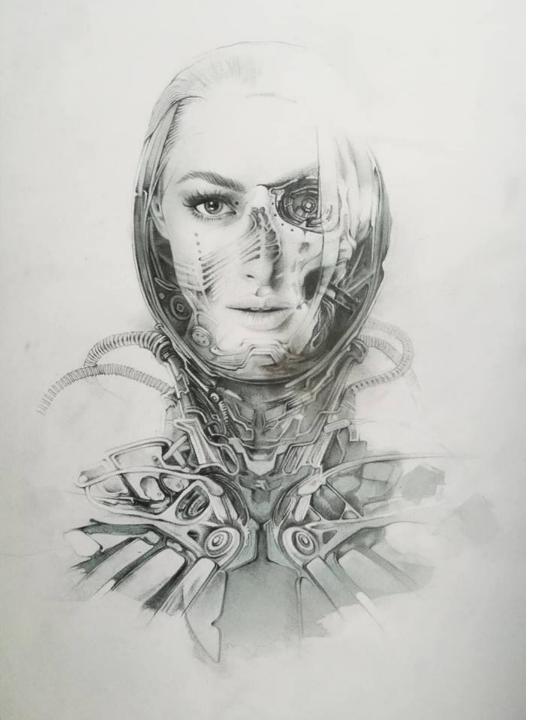
Noortele suunatud ettevõtlus- ja tehnoloogiaüritused ning vastavad programmid on koondunud paljuski Tallinnasse ja Tartusse, kuhu on teiste piirkondade õpilastel keeruline kohale tulla, seda eriti mitmepäevaste ürituste puhul. Õpilastele võrdsemate võimaluste tagamiseks tuleks tegevusi suunata ka maakonnakeskustesse või siis pöörata tähelepanu transpordi- ja majutusküsimuste lahendamisele. Oluline on n-ö tavakoolide õpilaste julgustamine ja toetamine, et ka nemad leiaksid tee valdkondlikele üritustele ning kohtuksid eeskujude ja mentoritega. Võimaluse korral tuleb eraldi lähenemine välja töötada venekeelsete noorte kaasamiseks, kuna tänased pakkumised kas ei jõua nendeni või ei ole neile mingil põhjusel sobivad.

"Tuleviku tegija teekond startup ökosüsteemi" - RAK (Tartu 2018)

Sugu

Eesti ettevõtlus- ja tehnoloogiavaldkonnad on maskuliinse rõhuasetusega, mistõttu on meil vähem naisettevõtjaid ja väga vähe naissoost küberspetsialiste. Olukorra muutmiseks tuleb eraldi strateegiliselt tegeleda tüdrukute toetamisega nende teemadeni jõudmisel. Üheks näiteks on eraldi huviringide või ka programmide korraldamine tüdrukutele. Teatud vanuses, kus poistel on tehnoloogiavallas varasemast huvist tulenevalt välja kujunenud edumaa, on tüdrukutel vaja turvalist keskkonda, kus koos teiste tüdrukutega enesekindlust kasvatada ja oskuseid arendada. Sealjuures ei pea kindlasti kõik juhendajad olema naised.

• "Tuleviku tegija teekond startup ökosüsteemi" - RAK (Tartu 2018)



What is HK Unicorn Squad:

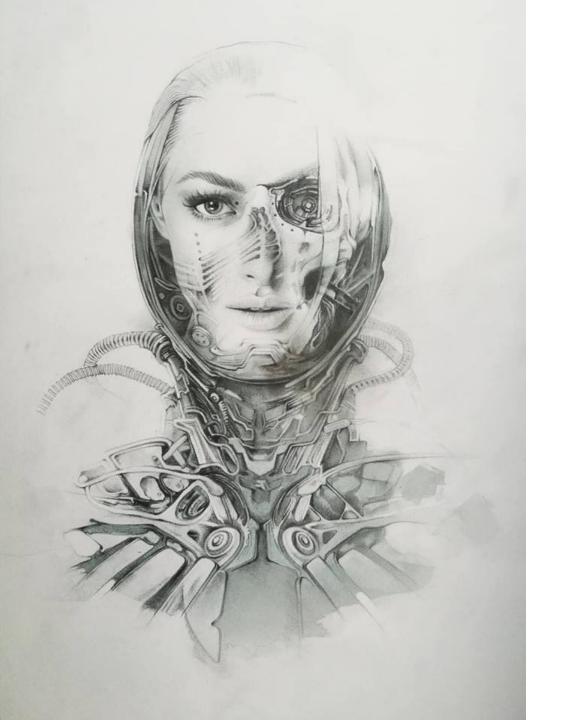
Technology and robotics for girls only

Long term goal:

Increase the amount of girls, who choose
ICT related specialty as a career.

Short term goal:

- Increase girls interest in technology and robotics already in early ages
- Measure scientifically if "girls only" approach has different effect compared with mixed classes



HK Unicorn Squad goals in numbers:

 2019 – 500 girls participating all around Estonia – ACHIEVED! (Already 600+)

■ 2020 – 1 000 girls

■ 2021 – 1 500+ girls

■ 2023 – 2 500+ girls

2018 – that is how we started



2018 – First "girls only" robotics competition by Unicorn Squad (26 teams) in Robotex (largest tech-competition for children in Europe)



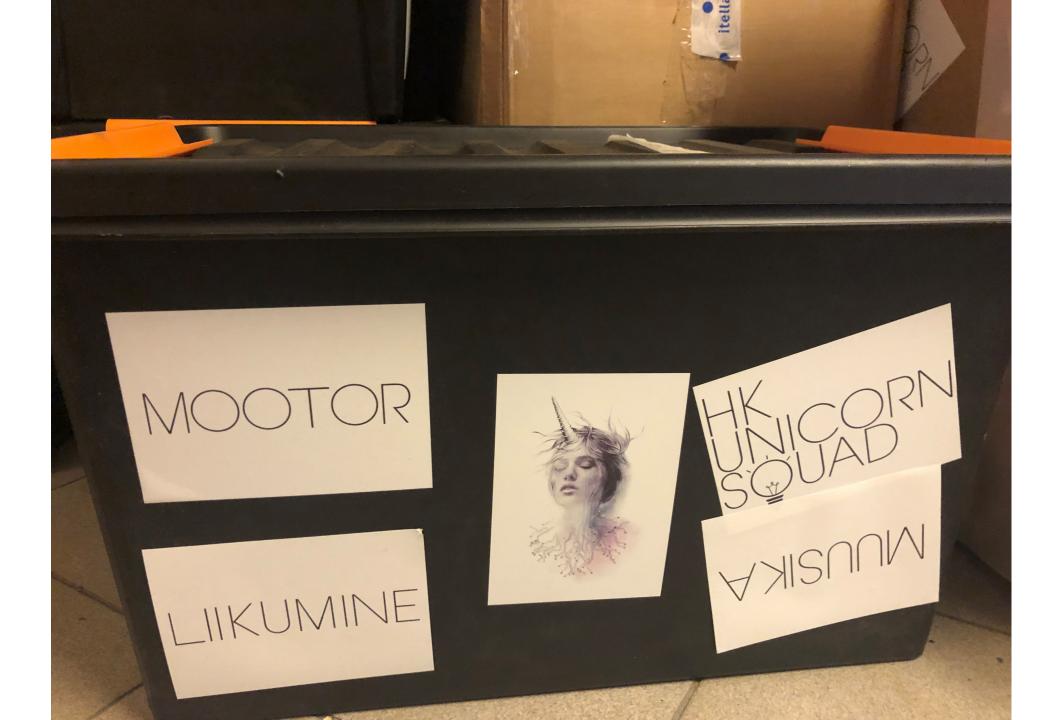


After initial phase we tested scalability model with 16 groups all round Estonia.

Mostly rural areas and far from capital, to understand the complexity and cost of logistics

No technical skills are needed to run a separate "girls only" group

Unicorn squad provides free of charge: lesson-materials + unicorn-hoodie + summer-camp + robotex





This is how they look all around Estonia:



This is how they look all around Estonia:













Examples of the lessons can be found in Youtube: search "HK Unicorn Squad"



3-days summercamp with Estonian President



uudised

EESTI

ARVAMUS

MAJANDUS

VÄLISMAA

KULTUUR

SPORT

MENU

Viimsi laagris on koos tehnikahuvilised tüdrukud

EESTI

Elo Ellermaa

12.07.2019 21:55

















For science we are measuring:

- excitement (quality) of lessons
- girls self esteem during courses in technology related topics
- absences and reasons
- Teachers feedback and observation
- Parents feedback and observation

Too early to make final conclusion, but "girls only" approach definitely has a positive effect



What we need?

Unicorn Squad movement was initiated and sponsored by Taavi Kotka, who is an entrepreneur and former Estonian government CIO.

To achieve 2 500+ tech-girls goal and also to move to Russian-speaking areas in Estonia, we have estimated our 3 years budget to be in total 522 kEUR. Mr. Kotka covers 50% of the budget, but for the rest we need to rise from private firms and friends.

If the "girls only" approach works, we most probably will get the government support to extend it even further.



If you want to join or support us:

Please contact Liis Koser – <u>liiskoser@gmail.com</u> +372 5018919

Or Bank Details:

MTÜ HK Unicorn Squad EE832200221070094443

NB! Donations to Unicorn Squad are tax-free

