



# Design Portfolio

# VIACHESLAV UKOLOV



Looking for a designer? Search no further, because I am ready for the job. With expert knowledge of design process, I will step in to make an immediate contribution and become a valuable asset to any project.

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## Skills

User Interface	●●●●●
User Experience	●●●●●
Interaction Design	●●●●●
Product Design	●●●●●
Graphic Design	●●●●●
Web Design	●●●●●
Brand Identity	●●●●●
Packaging Design	●●●●●
CAD Modeling	●●●●●
Programing	●●●●●
Visual Design	●●●●●
Human Factors	●●●●●

## Software

Illustrator	Photoshop	InDesign	Lightroom
Premiere	Dreamweaver	Flash	
Autodesk Inventor	SolidWorks	AutoCAD	Keyshot
Python	JAVA	JavaScript	PHP
Django	Android Studio	CSS3	Sony Vegas
Raspberry Pi	Arduino	HTML5	Microsoft Office

## Languages

English	●●●●●
Russian	●●●●●
Ukrainian	●●●●●
Korean	●●●●●
Polish	●●●●●

## Interests

Rising Technology | Startups | Research | Drawing | Music | Video Games

# WHAT'S INSIDE

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**01**

**Swing Chair**

**02**

**Tools** for Women

**03**

**Original Me**

**04**

**Printing Drone**

**05**

**Chicken Invasion**

**06**

**Flip-flip flipper**

**07**

**SEEYA Stress!**  
Anti-stress System

**08**

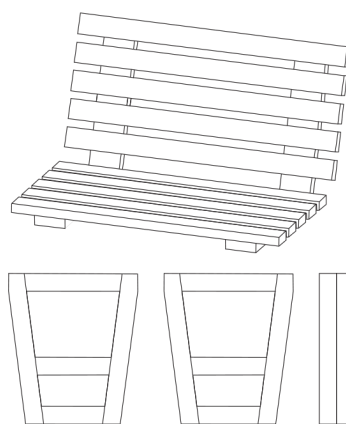
**Crowd Sharing**  
Android App

**09**

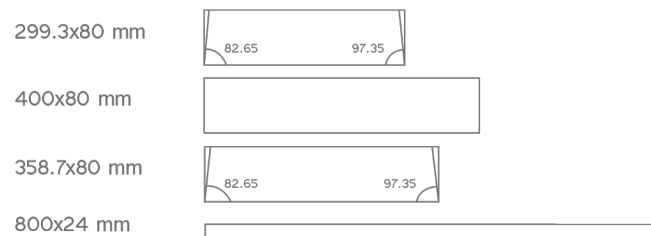
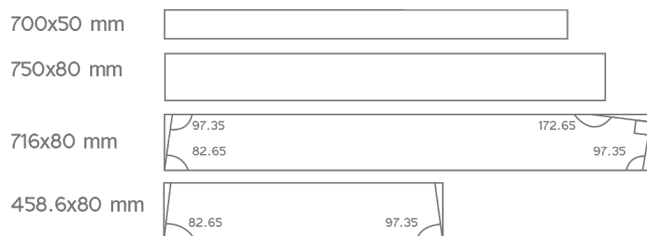


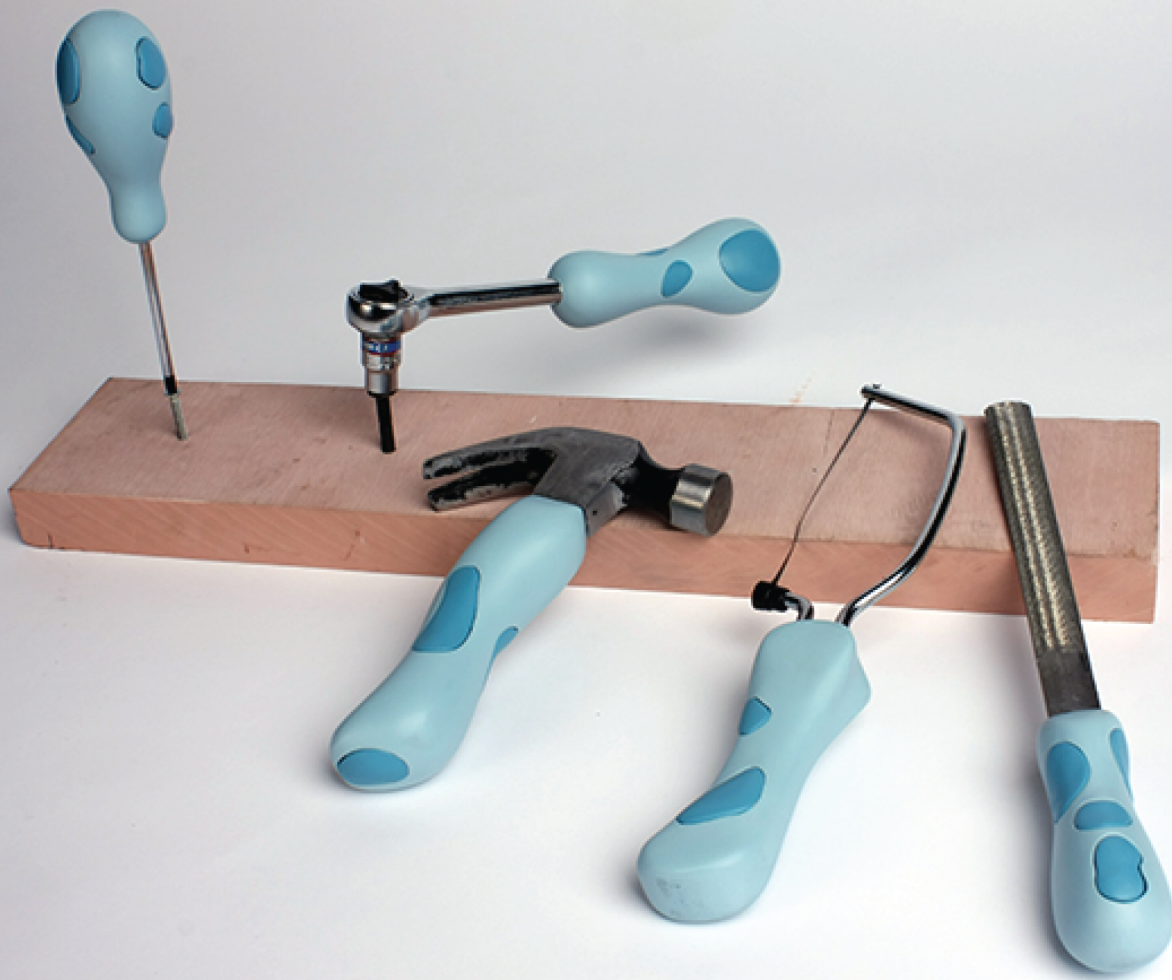
# SWING CHAIR

People are in motion all the time. It is impossible to keep one posture even when we are asleep. Based on swing for kids we designed and developed a chair which can satisfy our nature. Please, follow the QR code to check out our video about it.



## DETAILS





## WORKSHOP TOOLS For women

This set of tools is a result of a great team effort. It was developed in response to the growing demand of women wanting their own quality tools, as well as our vision to give back to causes we are passionate about through our Dalmatian Pattern initiative. Our team focused on [ergonomics](#), [user experience](#) and [design](#) to provide tools that are effective, lightweight, durable, high-quality and comfortable for women.

The kit consists of five tools: **screwdriver**, **ratchet**, **hammer**, **saw**, **file**.





## Original Me

Original Me is a cell phone cover designed for real-time communication. It allows you to share thoughts and feelings via self-made sketches. Talk to the loved ones by doodling, use Original Me as a canvas for your communication.

## Scenarios



The user X is in love with the user Y and wants to express his feelings. X uses Original Me to send his doodling to Y in realtime.

Y also likes X, but waits for his first move. She sees a message on her phone cover and becomes happy. She replies to X in the same manner.

Therefore, communication begins.

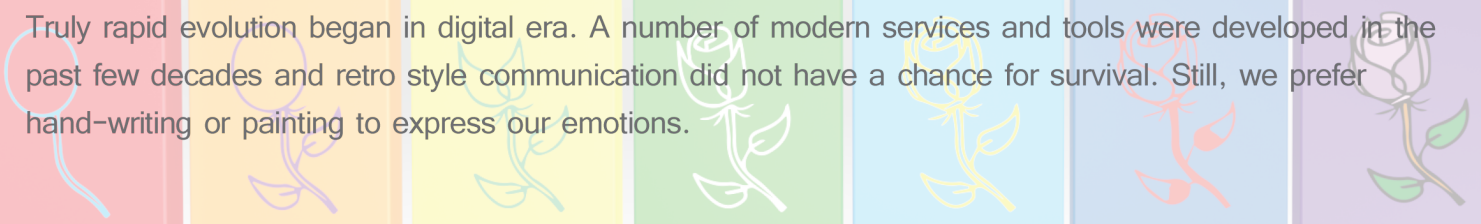
Cindy is Rihanna's fan. She went to her concert where she got lucky, because Rihanna took a selfie with her.

Later Cindy saw the selfie on her phone cover. She was excited, but not surprised, it was not the first time that Rihanna used Original Me to send communication with her fans.



## Details

Communication evolved with time. To share our thoughts we used sound, light, birds, post mail, etc.. Truly rapid evolution began in digital era. A number of modern services and tools were developed in the past few decades and retro style communication did not have a chance for survival. Still, we prefer hand-writing or painting to express our emotions.

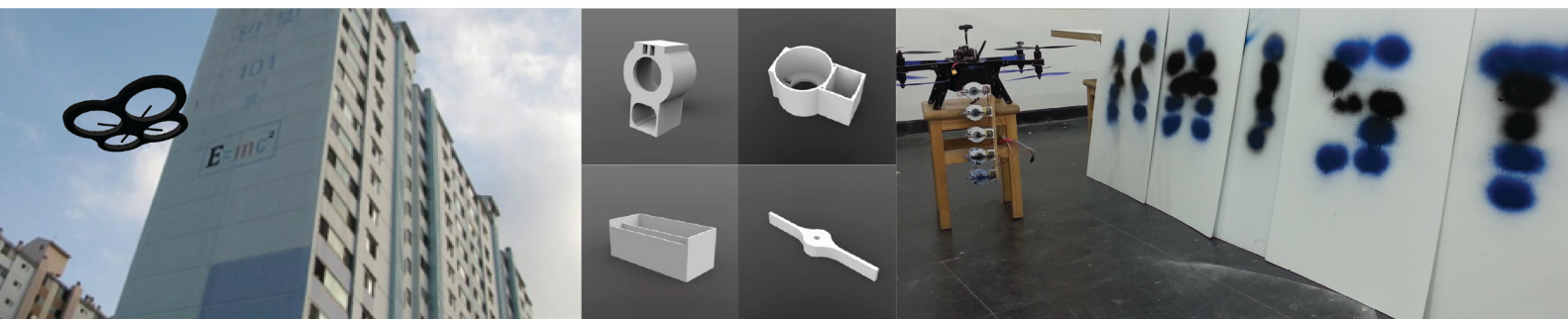




# Automatized Wall Painting Drone

## Description

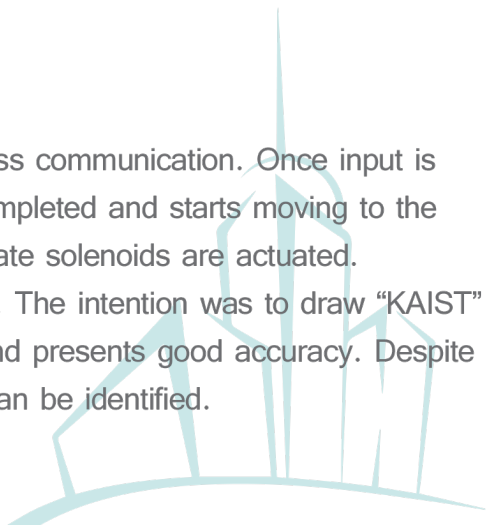
We developed a drone that is able to draw pre-decided images on a wall on an automatized basis without human interaction apart from the picture input. An array of computationally actuated spray-cans is attached under the quadcopter and release paint as the drone flies along a surface. Results demonstrate that our approach is promising and that it is safer and more cost effective compared to human painters.



## Details

The drone received input (text) from the ground station through wireless communication. Once input is received the drone is moved to the location the drawing has to be completed and starts moving to the right, and depending on its location from the wall on the left, appropriate solenoids are actuated.

The final test of our Automatized Wall Painting drone is shown above. The intention was to draw “KAIST” on the wall in laboratory conditions. The image is easily identifiable and presents good accuracy. Despite of our efforts to produce high quality image, some errors in drawing can be identified.



# life+1



Viacheslav Ukolov  
Daniel Shafiei Karaji  
Sae Hun Chung  
Follow the QR code to check out our Chicken Invasion trailer

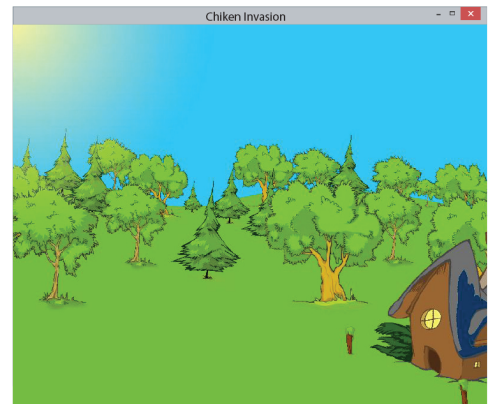


## Chicken Invasion

Chicken Invasion is an interactive first player shooter game. Use your own hands to aim and exterminate enemies.

Every time you kill a chicken you get points. Lose life every time a chicken gets to you. You can also get lifes by killing wishes birds.

LEAP MOTION    Arduino    Processing





# flip-flip



**flip it up.**

# RESEARCH PLAN:

## 01 Abstract

About stress  
How does stress effect our body?  
Categorizing trends for stress factor  
Background & Method research

## 02 Design Brief

Project Brief  
Why stress?  
What to achieve?  
Design issues

## 03 Context & User study

Plans for Context & User Study  
What do we choose?  
How do we choose?

## 04 Primary Research

Details of Each Method  
Interview  
Parties Involved  
Stress Graph  
Picture Diagram  
Survey of Types of Office Space  
Monitor Box (Graffiti Walls)  
Method Diagram  
Pilot Test  
Pilot Test Result - Interview  
Pilot Test Result - Office Space  
Pilot Test Result - Journal  
Pilot Test Result - Monitor Box

## 05 Research Overview

Methods Overview  
Result Infographics  
Research Findings

## 06 Insights

## 07 Idea & Concept Generation

System diagram  
Cognitive mapping  
Stakeholder map  
Functional Requirement  
Personas

Concept 01

Concept 02

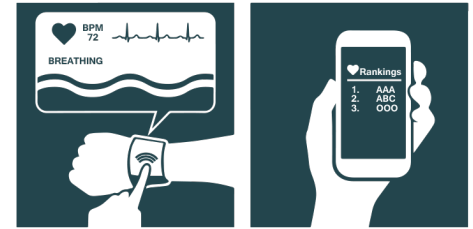
Concept 03

## 08 Final Design

Technology  
App

# SEEYA, STRESS!

## Concept 01



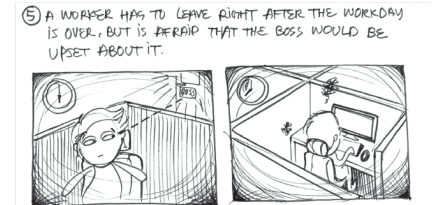
## Concept 02



## Concept 03



## Scenarios

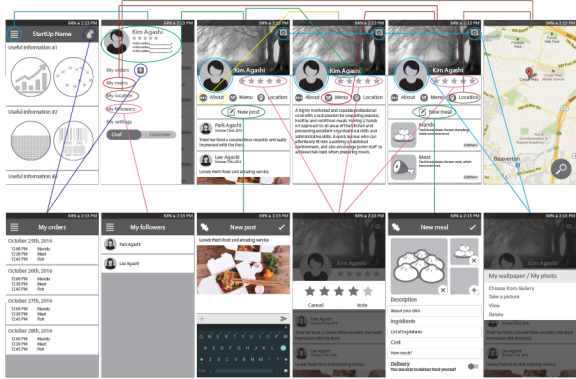
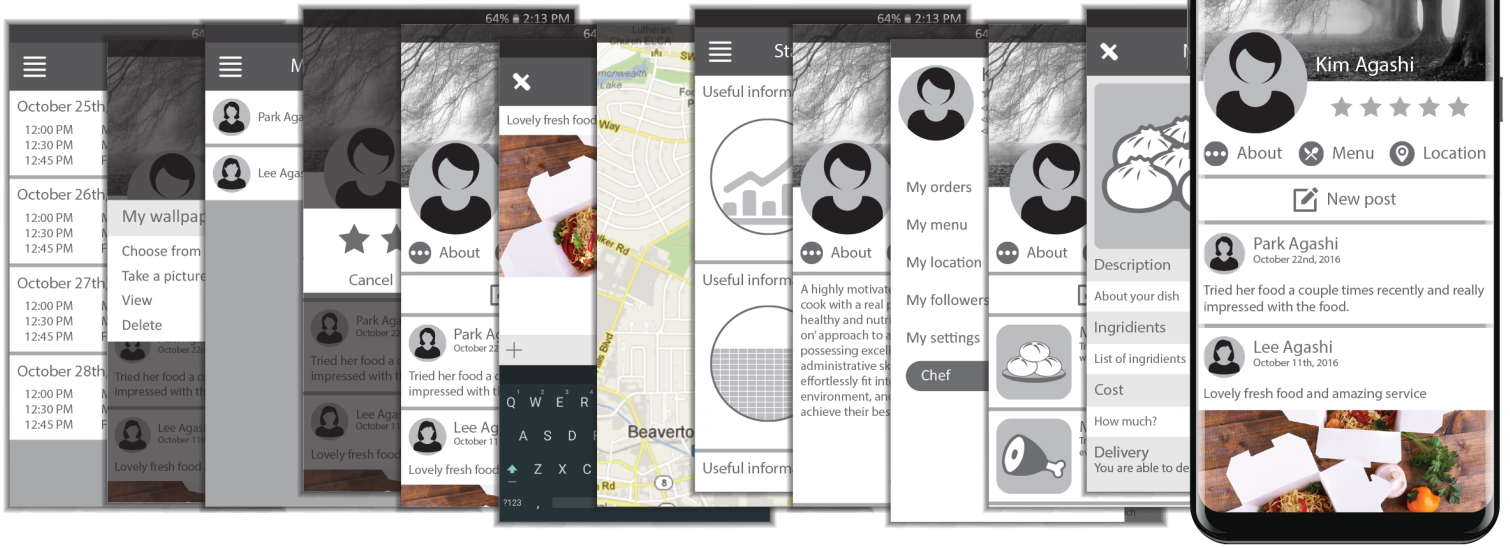


## Final Design

As final design we created an aesthetic model of the hardware and a stress managing app interface for iOS

Please follow the QR code to see our research report





# Research info

## User Interface (UI)

The project was broken down into major and minor functions. For each functions we researched and enreached ten to fifteen models to make UI as user friendly as it is possible

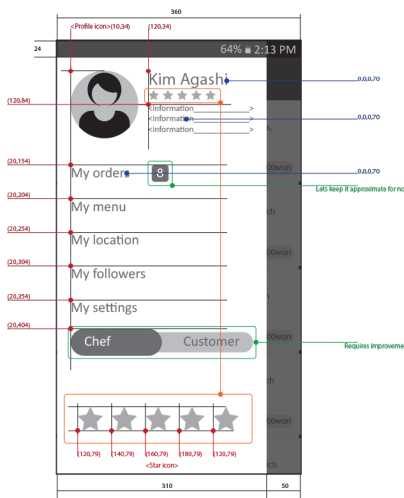
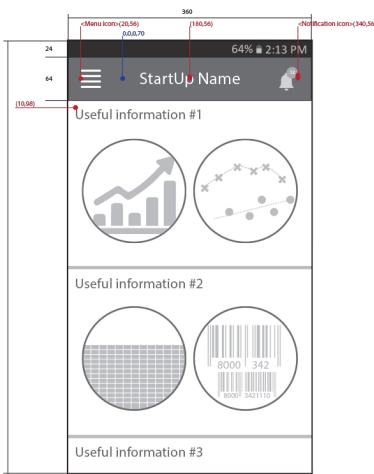
## User Experience (UX)

User Personas, Focus Groups, Interviews & Surveys, Usability Testing, Eyetracking, Use Cases and Scenarios, Concept Testing, Storyboards, True-Intent Studies

Start Page

Menu Page

My Profile



My Profile -> About

My Menu

My Menu -> New Meal

