

# ANDREI MACAVEIU

## CONTACT

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## PROFILE

Coding passionate and problem solver enthusiast, with a strong background in Computer Science.

## SKILLS

### Programming

Java, Kotlin, C++, C#,  
Unity Engine, Unreal Engine,  
MATLAB, Bash, Python

### Web development

Network Administration,  
JavaScript, PHP, HTML + CSS,  
Databases - SQL

### 3D modeling

Blender, SketchUP

### Microcontrollers

Arduino, Raspberry Pi, PIC,  
Texas Instruments MCU  
Digital signal processing

### Interpersonal Skills

Teamwork,  
Team management

### Languages spoken

Romanian  
English



## PROJECTS

### Android applications:

- Canon Photo Print Shop:  
This was the main project that I worked on during my time at Kite. It is a product custom editor, that allows one to order merchandise printed with their own photos (from their phone gallery or Facebook/Instagram accounts).  
<https://play.google.com/store/apps/details?id=ly.kite.canon>
- Fanjoy App:  
This was the first project that I worked on during my time at Kite. It was meant to be used with the Shopify platform. Even though it was complete it never got released on the PlayStore.
- Canon PhotoBook:  
This was an ambitious project that I worked on during my time at Kite. It was supposed to be a photo-book creation tool with automatic album generation. The code was developed using MVI architecture. Unfortunately the project was canceled during development.
- Lawerly:  
This was a project that I worked on during my freelancing time. The project was canceled during development.

### Extra projects:

- Automatic plant care system using Raspberry Pi and Android as interface.
- Autonomous miniature electric vehicle (crash - proof "toy") using Arduino.
- Image processing algorithms implemented in MATLAB.



## EDUCATION

### BSC ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

Transilvania University - Braşov, Romania | October 2012 - June 2016

First degree (9.64/10)

IELTS - overall score 7.5



## EMPLOYMENT

### ELECTRICAL ENGINEER

S.C. LE BON PROJET S.R.L. - Braşov, RO | March 2019 - present

### ANDROID DEVELOPER

Canon Europe - London, UK | July 2017 - July 2018

Main Android developer and worked with both Java and Kotlin. I had to work with Git, SQL, HTTP requests (REST, JSON), MVI architecture, image processing and continuous integration (via CircleCI).

### FREELANCER

June 2015 - July 2017

Android development, web development

### RESEARCH INTERN

Research Facility of Transilvania University - Brasov, Romania

February 2014 - June 2014

Participated in the research and simulation of electromagnetic materials. My team and I managed to perform simulations using COMSOL Multiphysics.