

# Tomasz Garbus

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## Education

**University of Warsaw**, Masters studies, 1st year. 2018–2020

field of study: Computer Science

**University of Warsaw**, BCs studies. 2015–2018

field of study: Computer Science

**III High School in Gdynia**. 2012–2015

profile of Mathematics and Informatics

## Achievements

**Laureate of XXI & XXII Polish Olympiad in Informatics**, *Olimpiada Informatyczna*, Warsaw. 2013/14 & 14/15

9th & 8th place in finals

**Laureate of XX Baltic Olympiad in Informatics**, 2013/2014

Palanga, Lithuania.

13th place in finals

## Experience

**Google**, *Software Engineer*, Warsaw. 2020-now

GCE Autoscaler, backend development

**Contentyze**, *Software Engineer & Data Scientist*, Warsaw. 2020

Experiments with Neural Network Language Models, developing a web platform for content generation

**Google**, *Site Reliability Intern*, Dublin. summer 2019

Pluscodes as addresses ([plus.codes/casestudies](https://plus.codes/casestudies)), Android development.

**Google**, *Software Engineering Intern*, Zurich. summer 2018

YouTube Creator team, iOS development

**Google**, *Software Engineering Intern*, Munich. summer 2017

Chromium team, Credential Manager API for iOS

**Codility**, *Task team contractor*, Warsaw. 2016–2018

Preparing coding tasks for recruitment

**Samsung**, *Intern*, Warsaw. summer 2016

Cloud & Big Data team, optimizing a Java web service

## Skill set

I have worked professionally with:

**Programming languages:** Python, C++, Java and Objective-C(++)

**Platforms:** Android and iOS development

**Web frameworks:** Django

**ML frameworks:** TensorFlow, PyTorch

### ***Machine Learning – Education***

**Courses University of Warsaw:** Deep Neural Networks (grade 5+ out of 5), Data Mining (grade 5/5), Image Recognition Neural Networks (grade 5/5)

### ***Machine Learning – Projects***

**Controlled machine text generation of football articles (2020):** Master's thesis at university of Warsaw.

Available at [tgarbus.com/files/master\\_paper.pdf](https://tgarbus.com/files/master_paper.pdf).

**Comparison of GANs with and without background (2019):** Pre-processing images of cars with semantic segmentation and training several variants of GANs

final report, repo: [github.com/tomaszgarbus/vrnn2018](https://github.com/tomaszgarbus/vrnn2018)

**Face authentication with liveness detection using depth and IR camera (2018):** Bachelor's thesis created in cooperation with Samsung R&D Institute Poland.

Paper available at [students.mimuw.edu.pl/~tg370795/mim-paper.pdf](https://students.mimuw.edu.pl/~tg370795/mim-paper.pdf).

Code available at [github.com/tomaszgarbus/rgbd-face-auth](https://github.com/tomaszgarbus/rgbd-face-auth).

### ***Interests***

**Running:** Participating in 10km and 21km runs.

**Music:** Playing guitar, listening to music – mostly krautrock, black metal, folk, jazz rock

**Philosophy:** I have completed 1 year of philosophy studies at University of Warsaw. In particular I am interested in the philosophy of mind.

**Pets & nature:** I love spending time with my dog and being surrounded by nature.

I hereby agree for the processing of my personal data included in my application for the needs of the recruitment process in accordance with the Law dated 08.29.1997 on the Protection of Personal Data, Journal of Laws No. 133 item. 883.