

# Filip Czaplicki

## Resumé

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📄 [starsep.com](http://starsep.com)

🐙 [github.com/starsep](https://github.com/starsep)



## Education

2014

2018

**Computer Science**, University of Warsaw, *Bachelor's degree*.

Thesis: *Scalable Graph Algorithms* [details in Work Experience]

2018

**Computer Science**, University of Warsaw, *Master's degree*.

## Skills

Languages Polish, English

WWW HTML, CSS, JavaScript

Programming Python, Kotlin, Java, C, C++, Haskell, nasm-x64

Frameworks Django, Android SDK

Databases PostgreSQL, SQLite

DevOps Linux, Bash, Zsh, Ansible, Vagrant

Build Systems GNU make, Gradle

Other LaTeX, git

## Algorithmic contests

2017

**PIZZA**, PIZZA contest 2017.

2014

**AMPPZ**, Polish ACM ICPC Final 2014.

2013

**PA**, Potyczki Algorytmiczne in 2013 and 2014.

2014

2011

2014

**POI**, Polish Olympiad in Informatics XIX and XX (second round), XXI (31<sup>st</sup> spot - bronze medal).

2011

2013

**Poznan Open Team Programming Championship**, 2011, 2012 and 2013.

2010

**SPOJ**, Polish SPOJ profile (static contest).

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## Work Experience

2017

**Software Engineer**, QED, Warsaw, Poland.

### ScanForm

project ScanForm Web  
description Web app for realignment and OCR of scanned forms.  
technologies Django, Python, Numpy, Pillow, ImageMagick, Tensorflow  
link <https://qed.ai/scanform/>

project ScanForm Mobile  
description Android App for taking pictures and uploading them to webserver.  
technologies Kotlin, Android SDK  
link [Google Play](#)

### AutoDrone/Hive

project AutoDrone  
description Android app for automatic drone flights with DJI Phantom.  
technologies Android, Java, DJI SDK  
links [Google Play](#), <https://qed.ai/drones/>

project Hive  
description Web app for displaying drone orthomosaics on map.  
Orthomosaics are stiched from images taken with AutoDrone.  
technologies Django, Python, OpenDroneMap  
link <https://hive.qed.ai/#48>

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2016  
2017

**Software Engineer**, *Working on Thesis*, CodiLime, Warsaw, Poland.

title Scalable Graph Algorithms  
description We implemented scalable versions of graph algorithms and compared their performance with single-core equivalents.  
technologies C++, Thrust, CUDA, googletest  
thesis <https://starsep.com/mimuw-graphs/thesis/thesis.pdf> [in Polish]

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2016  
2016

**Software Engineer - Intern**, *Summer Internship*, Intel, Gdańsk, Poland.

description Frontend for internal software testing tool  
technologies Angular, Flask, Python, Microsoft SQL Server