

# PIOTR KRAM



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## SOCIAL MEDIA



<http://piotrkram.engineer/>

## EDUCATION

10.2018 - 06.2021

**University of Cambridge**  
Computer Science

09.2015 - 05.2018

**XIV Stanislaw Staszic High School in Warsaw**  
a special class with academic mathematics

## EXPERIENCE

06.2021 - 09.2021

### Facebook

Enterprise Engineer Intern - Logistics & Operations Team

- working on React Native front-end (creating, modifying, connecting to back-end)
- querying internal back-end databases using Hack, a dialect of PHP
- exposing back-end data via GraphQL API

08.2020 - 10.2020

### Amazon

Software Development Engineer Intern - Alexa Speech Team

- worked on decoupling lexicon building for different languages (a lot of problem solving around internal Amazon software and my Linux Cloud Desktop)
- created and published online a package (using mainly python, bash and a dialect of scheme) responsible for grapheme to phoneme training

07.2020 - 08.2020

### Barclays

Technology Developer Intern - Public Cloud Engineering Team

- worked on detecting duplication between AWS Cloud Formation templates
- pre-processed the templates and created a GUI (using the tkinter library in python) for experts to compare and see differences between different template fragments

06.2019 - 10.2019

### UtterBerry

Software Engineering Intern

- creating web applications in JavaScript
- analyzing 3D transformations and their implementations in Three.js
- creating mobile applications in React Native
- creating backend using Express.js and MongoDB

07.2017 - 08.2017

### Connectis\_

Intern - Mobile Developer

- creating software in Xamarin technology for the Android platform (api 19+).

03.2020 - present

### Computer Science Tutoring

Educational Consultant, Computer Science Tutor

- teaching theoretical and practical machine learning
- preparing a student for the admission exam and the interviews for Computer Science at the University of Cambridge
- teaching computer architecture and low-level C programming

## SKILLS

Java  
C++  
C  
Python  
JavaScript  
Algorithms and data structures  
Advanced problem solving  
Object-Oriented Programming  
Functional programming  
React Native  
Xamarin  
Microsoft Office 365  
C#  
Android  
Git  
Console  
Visual Studio 2017  
Bitbucket (code review/pull requests)  
HTML/CSS  
XML/XAML  
Trello  
SQL  
Mongo DB  
Unity  
Microsoft HoloLens Development  
Machine Learning and Data Processing in Python (numpy, pandas, scikit-learn, matplotlib, keras)  
AWS  
Vim  
Bash  
Linux shell  
Hack, a dialect of PHP  
GraphQL

## CERTIFICATES

- **Machine Learning** by Coursera (Credential ID: QJYEUTPDQVS2)

## SPEECHES

**Deep Learning in Medical Imaging - a Practical Introduction** - 'AI in radiological diagnostics' conference 2021  
<https://ai-radiology.eu/deep-learning-in-medical-imaging-a-practical-introduction/>

## HOBBIES

gym, football, psychology, playing the piano and the guitar, new technologies, learning languages

## ACCOMPLISHMENTS

- **the Green IoT award and the MongoDB award during the 'Hack Cambridge 2020' hackathon**
- **Best Hack for Social Good award and startmeup sponsor prize during the 'Oxford Hack 2019' Hackathon**
- **the Winner of the trading challenge organized by the Cambridge University Algorithmic Trading Society and the IMC trading company**
- **2nd place in the spring edition of the Wawcode 2019 Hackathon in Warsaw**
- **5th place in the Luno Challenge during the Spark hackathon**
- **People's choice award in the Cambridge-Bradfield blockchain Hackathon (CBHACK)**
- **the Finalist of the 67th and the 69th editions of Polish Mathematical Olympiad**
- **the Laureate of the 17th, the 18th and the 19th editions of the Mathematical Competition for High School Students organised by the Warsaw University of Technology**
- **the Laureate of the Jagiellonian Mathematical Tournament 2017/2018**
- **the Winner of the Mathematical League of the Warsaw University of Technology**
- **the Laureate of the 11th polish edition of the International Challenge on Informatics and Computational Thinking "Bebras"**
- **the recipient of the Mazovian scholarship for talented students awarded for a project concerned with creating an interactive website popularizing inversion - one of the most important mathematical transformations**
- **the Laureate of the 10th edition of the Mathematical Olympiad for Lower Secondary School Students**
- **the scholar of the Polish National Fund for Gifted Children**
- **2nd place in the international, team mathematical competition NABOJ 2015/2016**
- **the Finalist of the Physics 2014/2015 and the Philosophy 2013/2014 regional competitions**
- **100% in Computer Science, Mathematics and English Matura (official Polish graduation exams)**