

## EDUCATION

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- **Jagiellonian University** Kraków, Poland  
*Master of Computer Science – IT Analyst* *Oct. 2019 – Jun. 2022*
  - Specialization: Theoretical Computer Science.
- **Jagiellonian University** Kraków, Poland  
*Bachelor of Cognitive Science* *Oct. 2018 – Jun. 2019*
  - Pursuing personal scientific interest, chose not to continue studies after the first year.
- **Jagiellonian University** Kraków, Poland  
*Graduated as Bachelor of Computer Science – IT Analyst* *Oct. 2016 – Jun. 2019*
  - Specialization: Theoretical Computer Science.
  - As part of Individual Studies in Mathematics and Science (pl: Studia Matematyczno-Przyrodnicze).
- **The August Witkowski 5th High School** Kraków, Poland
  - Algorithmics and mathematics classes with cooperation of the Jagiellonian University. *Sep. 2013 – May 2016*
  - Finalist of *Polish Olympiad in Informatics (2016)*.
  - First place in *Polish Electrical and Electronic Knowledge Olympiad* in ICT category (2016).

## EXPERIENCE

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- **Google** Zürich, Switzerland  
*Software Engineering Intern* *Jul. 2019 – Sep. 2019*
  - Joined the Android Frameworks team working on the Android Operating System.
  - Created a series of features for the Android Window Manager project.
  - Technologies: Android OS, AOSP, Java, Kotlin, git, Gerrit.
- **Koło Studentów Informatyki Uniwersytetu Jagiellońskiego** Kraków, Poland  
*Member of the Board; Software Developer & Network Administrator* *Oct. 2017 – Present*
  - English name of the organization: *Computer Science Students' Association at the Jagiellonian University*.
  - Managing the work of the most successful student organization at the Faculty of Mathematics and Computer Science of the Jagiellonian University.
  - Overseeing and taking part in multiple software projects organized by the association.
  - Technologies: Java, Kotlin, Spring, C++, Python, Django, PostgreSQL, Linux, LXC, Docker.
- **Google** London, UK  
*Software Engineering STEP Intern* *Jul. 2017 – Sep. 2017*
  - Worked with the Android for Corp team (part of Android Enterprise).
  - Implemented a new security feature for the G Suite Mobile Management platform.
  - Technologies: Android, MDM, Java, Protocol buffers, end-to-end testing, Google's software development environment.
- **CSpectrum** Kraków, Poland  
*Startup Co-founder; Cloud administrator* *Apr. 2016 – Jul. 2017*
  - Deployment and administration of SECaaS solutions.
  - Technologies: Zscaller, Linux, SAML, GRE, IPsec.
- **KrakSat 2016** Krakow, Poland  
*Team Leader; Embedded Software Developer* *Aug. 2015 – May. 2016*
  - Participated in *Polish CanSat Competition 2016* organized by the *ESERO Poland*.
  - Constructed a miniature space probe able to estimate atmospheric composition and transmit live video.
  - **Second prize in the national final.**
  - Technologies: AVR, C/C++, Python, Eagle CAD.

## • **TechSwarm 2015**

Kraków, Poland

*Team Leader; Software Developer*

*Aug. 2014 – Jul. 2015*

- Participated in *2015 European CanSat Competition* organized by the *European Space Agency*.
- Worked on a miniature space probe model capable of measuring various parameters of planet's surface and transmitting them to a receiving station.
- **Second prize in the European final.**
- Technologies: Python, Flask, MySQL, JavaScript.

## • **The August Witkowski 5th High School**

Kraków, Poland

*Network Administrator (volunteer)*

*Sep. 2013 – Jun. 2014*

- Part of a student team managing school network and computer systems.
- Technologies: Linux, LXC, QEMU/KVM, CAS, Active Directory, bind9, dhcpd, IPv6.

## PERSONAL PROJECTS

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- **DistFS:** A distributed read-only filesystem for diskless nodes (prototype)
- **Cloudrun:** Seamless personal cloud computing platform (prototype).
  - A new model of user-friendly cloud computation based on recreating and running the environment of the user's local machine in the cloud.
  - Technologies: FUSE, Protocol buffers, gRPC, C++, Python, LXC.
- **Simple raytracer:** Whitted ray tracing in OpenMP (2017).
- **SLAM-robot:** simultaneous localization and mapping mobile platform (2016 – present; on hold).
  - Technologies: AVR, C, OpenCV, Python, Eagle CAD.

## TECHNICAL SKILLS

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- **Programming languages:**
  - **Advanced:** Java, C, C++, Python, Kotlin
  - **Intermediate:** JavaScript, C#
  - **Basic:** Scala, Go, CUDA, x86\_64 assembly
- **Platforms:** Linux (Debian, Arch Linux, Gentoo), Windows (workstation and server), embedded systems (AVR, ARM)
- **Other technologies:**
  - **Relational databases:** PostgreSQL, MySQL, H2, SQLite
  - **Networking:** TCP/IP stack, HTTP, RPC, IPv6
  - **Tools:** Git, GNU Make, Bazel, Gradle

## LANGUAGES

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- **Polish:** Native
- **English:** Advanced