



# Adam Graliński

## Software Engineer

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 github.com/agral

## Work experience

**Self-employed, *gralin.ski*** 02.2020 – present

- Ran a self-owned software consulting company

**Protocol Engineer, *Samsung Electronics*** 02.2020 – present

- Maintenance and development work in **C++** and **Java** layers of Samsung's IMS framework
- Investigation of atypical problems in networked code (**Wireshark**)
- Development of automated C++ code review tool (**python**, **p4**, **cppcheck** & **clang**)

**Senior C++ Developer, *Huuuge Games*** 03.2019 – 01.2020

- Huuuge Casino — maintenance and development of a mobile social casino game
  - AAA title; +2M monthly active users at that time
  - Tech stack: **C++**, **Lua**
- Huuuge Charms — development of a novel feature for Huuuge Casino
  - Tech stack: **C++**, **Lua**, **flatbuf**, **python**

**C++ Developer, *Huuuge Games*** 08.2017 – 02.2019  
(01.2018 – 02.2019)

- Development of Huuuge Stars — a mobile social casino game made from scratch
  - Firsthand experience of a *full development cycle* — from scratch to a successful launch
  - Fully remote development work
  - Tech stack: **C++**, **Lua**, **python**
- Maintenance and development work for Huuuge Casino
  - Tech stack: **C++**, **Lua**

**Junior C++ Developer, *Samsung Electronics*** (11.2015 – 07.2017)  
(03.2017)

- **Mobile solutions**  
Prepared and carried out a workshop for students of Warsaw University of Technology — presented on WUT's career fair "Inżynierskie Targi Pracy"  
Slides (Polish): [github.com/agral/Lectures/blob/master/RozwiazaniaMobilne/RozwiazaniaMobilne.pdf](https://github.com/agral/Lectures/blob/master/RozwiazaniaMobilne/RozwiazaniaMobilne.pdf)
- **Samsung Academy R&D** (02.2017 – 04.2017)  
Prepared and carried out a crash course for WUT students regarding creating Android applications with the use of **Xamarin** library.  
The course is comprised of four workshops, each taking approximately 2.5 – 3 hours.  
Slides (Polish): [github.com/agral/Lectures/tree/master/AkademiaSamsung](https://github.com/agral/Lectures/tree/master/AkademiaSamsung)
- **Business trip to Seoul, South Korea** (10.2016)  
Assisted Microsoft with recording a promotional movie about Samsung/Microsoft cooperation.  
The movie has been aired live during *Microsoft Connect()*; 2016 conference.  
Video: [youtube.com/watch?v=m\\_fKcjhkY-0](https://youtube.com/watch?v=m_fKcjhkY-0)
- **Business trip to Suwon, South Korea** (03.2016)  
Prepared a draft port of **Xamarin** library to the Tizen platform in a team of three developers.  
The demo was very well received and resulted in a project grant in 2016–2017.
- **Development work in the Tizen Platform Team** (11.2015)
  - Porting the existing **C API** collection to **C#** (**Xamarin**)
  - Improving the **JavaScript** API of *Tizen OS*
  - Improving the documentation (**Doxygen**)

# Education

Master’s degree(2014 – 2015)

Warsaw University of Technology, Faculty of Mechatronics

Master’s thesis: **Analysis of clustering algorithms**.

Bachelor’s degree(2009 – 2014)

Warsaw University of Technology, Faculty of Mechatronics

Thesis: **Design of impulse counter for flow meters (hardware + software)**.

# Skills

Programming languages:

- **C++** (up to **C++17** with bits of **C++20**)
- **Java**

Scripting languages:

- **Python**
- **Lua** (core + **C API**)
- Linux shell (**sh**, **bash**, **zsh**)

Libraries:

- **SDL2** (both fixed and functional pipelines)
- **OpenGL**,
- **Catch2** (unit test library for C++)
- **JUnit**, **Mockito**, **Robolectric**  
— tech stack for Java unit tests

Operating systems:

- **Linux** (15+ years of experience)
- **Windows** (18+ years of experience)

Other:

- Version control: **git**, **Mercurial**, **p4** (**Perforce**)
- Debugging and profiling tools:
  - **gdb**
  - **clang-tools**
  - **strace**
  - google sanitizers (mostly **TSAN** and **ASAN**)
- In-depth knowledge of **make** utility
- Practical experience with Atlassian toolset (**JIRA**, **Confluence**, etc.)
- Familiarity with **agile** development methodologies, in particular **Scrum** and **kanban**

# Languages proficiency

Language	Level	Written	Spoken
Polish	native	Fluent	Fluent
English	C2	Fluent	Fluent
German	B2	Good	Fair
Italian	B1	Good	Good
Korean	A1	Beginner	Beginner

# Areas of personal interest

- Programming and scripting
- Automation in all its forms
- Rolling release linux distributions
- Sports: chess and long-distance running
- Travelling, especially to Asia

*I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.*