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Andrey Tonkikh

github profile: xosmig
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Education

Saint Petersburg Academic University	BS in Computer Science	2015-Present (2 year) Overall GPA: 4.0 / 4.0 Graduating May 2019

Programming languages

Confident in:	C++, Rust
Currently learning:	Java, Haskell
Small experience:	Python, Kotlin (I like this language and I hope I will start learning it soon)

Technologies

Git, Unix/Linux, Libgdx game framework (Java)

Projects

Ghost Revenge	A game for Android. Not a big game, just my first experience in game development and my first release in Google play market.
Blackout	An open-source multiplayer 3D game for Android with good physics. Not released yet. I'm currently working on it with a fellow student.
Hwformat	Pre-processor for latex which makes it easier for writing small mathematical texts. Mainly for Russian language. Based on regular expressions.
xo_os	An educational project in the university. Small x86-64 OS-kernel written in Rust.

Open source experience

I have several merged pull requests to Rust's standard collections library:

std::BinaryHeap	`append` method (merge two binary heaps in optimal time). Wasn't really hard. Just a first experience
std::BTreeMap and **std::BTreeSet**	`append` method (merge two BTrees in optimal time). And `split_off` method. Both are in a stable release now. TODO: quantify your work.

Other experience

Programming contests	In a high school I was into programming contests and was awarded in some important russian programming olympiads like "All-Russian Olympiad of School Students in Informatics" and "Open Programming Olympiad". But now I prefer to invest my time in development of engineering skills.
Teaching	I like to teach and I was a teacher for a month in "Summer Informatics School". This is a summer school for children who want to learn more about programming and algorithms than in a common school.
Altai CTF	My team was awarded in "Altai CTF" – an information security competition for students (Actually, we was in school yet unlike most of our competitors).