

# TIMUR AKHMADALIEV

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## SUMMARY

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Software Engineer with 4+ years of experience in C++ embedded and desktop application development, math and robotics background, seeking a job as an embedded or backend Software Engineer.

## SKILLS

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**Technical Skills :** C/C++, Python, Linear Algebra, 3D geometry, Git, bash

**Languages :** English (Upper Intermediate), Russian (Native Speaker)

## EXPERIENCE

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**Windows C++ Software Engineer** Sep 2021 - Nov 2022

Align Technology, Product Launch and Optimisation Team <https://www.aligntech.com>

*Moscow, Russia*

- **Achievements:**

- Designed and developed an internal business tool which reduced new products delivery time from 6 month down to 2 weeks to let the company compete in high-growth markets
- Implemented features which have added more flexibility and ease of use for up to 10000 users of internal CAD

- **Responsibilities:**

- Designed new products and features for Align internal and external products
- Integrated new features designed by other teams into existing products
- Wrote functional tests for new features on Python using the internal framework

**Windows C++ Software Engineer** Oct 2019 - Aug 2021

Align Technology, Fabrication team <https://www.aligntech.com>

*Moscow, Russia*

- Reduced Fabrication software development time approximately by 5-10% through porting code to x64 architecture
- Implemented several features designed by the other teams into the Fabrication process. This is the last step of adding new features to products

**Embedded Software Engineer, full-time** Oct 2019 - Aug 2021

Tsuru Robotics, Skolkovo-based robotics startup <https://www.tsuru.su>

*Moscow, Russia*

- Developed the indoor UWB-based navigation system which allowed to explore new market opportunities
- Developed software for one of a kind graffiti drone show
- Supervised Massachusetts Institute of Technology and Skolkovo University Master's Students during their practice in the company in creating new kid-friendly drone programming software

## PROJECT

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**Lead University Robotics team.** In one month assembled a team of BA students, created and presented robotics project on Silk Road Robotics Innovations Competition 2017 in Xian, China

## EDUCATION

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**Bachelor of Mechanics and Robotics**, Moscow Power Engineering Institute 2015-2019

Relevant Coursework: Software Engineering, Embedded Software Engineering, Linear Algebra, and Calculus.