

# Chajka Maksim

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## EDUCATION

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### Higher School of Economics

*B.S. Applied mathematics and informatics*

*Expected graduation: June 2024*

St. Petersburg

*Sep. 2020 – Present*

### Academic lyceum "Physical-technical High School"

Sep. 2016 – May 2020

## ACHIEVEMENTS

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### Olympiads

- Informatics regional winner and prize-winner.
- Mathematics regional prize-winner.
- Circle of olympiad informatics parallel A.

## PROJECTS

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### Board game | C++

Jan. 2021 – May 2021

- Implementation of computer version of board game "Ticket to ride" with bots and local or multiplayer gameplay. Personally i used qt5 for graphics.

### Deep Machine Learning | Python

Jan. 2019 – Jan. 2020

- Detection of cancer in a photo with a probability of at least 93% by using tensorflow and right combination of layers.

### Security letters | Go

Jun. 2021 – Aug. 2021

- Email sender/receiver with cryptography by used gmail api.

### Basic development | Java

Jan. 2020 - Apr. 2020

- Platformer game with 2d graphics implemented.
- Simple 2d android game by using sdk.
- Simple android calculator by using sdk.

### File archiver | C++

Mar. 2020

- Using the general Huffman algorithm, I compress the file into a smaller size. Can be used for any file, but most effective on txt files)

### Console game tic-tac-toe | C++

Feb. 2021

- Field 10x10 with arrow control by ncurses.

### Chat bots | Python

Dec. 2021

- Telegram personal news [finder](#). Tam-tam chat bor for leading channel, collecting statistics.

## TECHNICAL SKILLS

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**Languages:** C++, C, Go, Python, bash, Java, sql.

**Developer Tools:** Git, Vim, Docker, gdb, valgrind.

**Technologies:** cmake, vcpkg, regex.

**Libraries:** Qt, ncurses, grpc, boost, swing, tensorflow, pandas, numpy.