

# Avram Đorđević

Belgrade, Serbia

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🌐 github.com/avramdj • 🎂 Date of birth: 04.10.1998.

Student of computer science. Passionate about algorithms, mathematics, automation and optimization. Currently interested in data science and distributed system design.

## Education

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○ **Faculty of Mathematics, University of Belgrade**  
○ *Bachelor Student, Computer Science*

**Belgrade**  
*2017 – Present*

## General skills

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**Soft skills:** Quick learning, Problem-solving, Teamwork, Communication

**Languages:** Serbian, English

## Tehcnical skills

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**Experienced:** Python, C++, C, Javascript, Shell

**Know:** Java, Typescript, Haskell, Scala, Prolog

**Other:** Git, Docker, Node, Flask, React, MongoDB, MySQL, Tensorflow, Hibernate, Linux, HTML/CSS,...

## Selected projects

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- **MATF Scheduler** (Python/Flask, Web scraping)  
Webapp that helps students at my faculty schedule their classes.  
🌐 [github.com/avramdj/kmiljan-scheduler](https://github.com/avramdj/kmiljan-scheduler)
- **Lemur-lang** (C++, LLVM, Antlr4)  
A compiled object-oriented programming language.  
🌐 [github.com/avramdj/lemur](https://github.com/avramdj/lemur)
- **ICanHelp - FON Hackathon 2021** (Node/Express, Mongoddb, Angular)  
Intuitive volunteer management system. 48h Hackathon team project.  
🌐 [github.com/avramdj/icanhelp](https://github.com/avramdj/icanhelp)
- **Artificial Life Simulation: Boids** (C++, OpenGL)  
Flocking behaviour simulation. Implementation of Craig Reynolds' paper on boids (bird-oid objects).  
🌐 [github.com/avramdj/artificial-life-boids](https://github.com/avramdj/artificial-life-boids)
- **FCNN lib** (C++)  
Minimal C++ library for creating fully connected feedforward neural networks. Inspired by Keras.  
🌐 [github.com/avramdj/minimal-fcnn-library](https://github.com/avramdj/minimal-fcnn-library)
- **GPT-3 Chatbot** (React, Node, Python/Flask, MongoDB)  
Online chatbot that remembers every users previous conversation. Uses the OpenAI GPT-3 API.  
🌐 [github.com/avramdj/gpt3-chat](https://github.com/avramdj/gpt3-chat)

- **Web watcher** (Python, MongoDB) (Selenium scraper, MySQL)

Bot for a popular chat application that allows users track any web page for changes. Originally developed to help classmates track professors web pages.

🔗 [github.com/avramdj/discord-bot-rezultati](https://github.com/avramdj/discord-bot-rezultati)

- **Blockchain protocol implementation** (Java)

Distributed blockchain based transaction system. Work in progress.

🔗 [github.com/avramdj/blockchain-protocol-implementation](https://github.com/avramdj/blockchain-protocol-implementation)

## Scientific interests

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- Machine learning
- Programming language theory
- Computer vision
- Mathematical optimization
- Distributed system design

## Hobbies and other interests

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- Music production
- Video games (mostly RPGs)
- Epic fantasy