

Avram Đorđević

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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

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

Belgrade
2017 – Present

General skills

General: Quick learning, Problem-solving, Teamwork, Communication

Languages: Serbian, English

Tehcnical skills

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

- **MATF Scheduler** (Python/Flask, Web scraping)
Webapp that helps students at my faculty schedule their classes.
🌐 github.com/avramdj/kmiljan-scheduler
- **Lemur-lang** (C++, LLVM, Antlr4)
A compiled object-oriented programming language.
🌐 github.com/avramdj/lemur
- **ICanHelp - FON Hackathon 2021** (Node/Express, Mongoddb, Angular)
Intuitive volunteer management system. 48h Hackathon team project.
🌐 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
- **FCNN lib** (C++)
Minimal C++ library for creating fully connected feedforward neural networks. Inspired by Keras.
🌐 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

- **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

- **Blockchain protocol implementation** (Java)

Distributed blockchain based transaction system. Work in progress.

🔗 github.com/avramdj/blockchain-protocol-implementation

Scientific interests

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

Hobbies

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