Avram Đorđević

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

Interested in algorithms, mathematics, automation and optimization. Currently learning about devops and distributed system design.

Education

○ **Faculty of Mathematics, University of Belgrade**   **Belgrade**
  Bachelor Student, Informatics   *2017 – Present*

○ **Gymnasium "Svetozar Marković"**   **Jagodina**
  High school diploma, Informatics   *2013 – 2017*

Programming languages and skills

Experienced: Python, C++, C, Javascript/Typescript, Java, HTML/CSS

Tools: Git, Docker, Node.js, Flask, MongoDB, MySQL, Bash, GNU/Linux

Other: Keras, Tensorflow, Heroku, Kubernetes, Spring, Bison/Yacc, ANTLR, OpenGL, JavaFX...

Experience

○ **MATF Scheduler** (Python, Web scraping, Flask)

  Webapp that helps students at my faculty create custom class schedules based on their preferred professors/TAs. It scrapes the course information from the faculty website, a flask server implements the API and serves the frontend. A scheduling algorithm creates all possible schedules.

   github.com/avramdj/kmiljan-scheduler

○ **Smolify** (Node/Express, MongoDB, jQuery)

  Simple URL shortening application, also supports a public API.

   github.com/avramdj/smolify

○ **Minimal MLP C++ Library** (C++)

  Minimal fully connected neural network (multilayer perceptron) library from scratch in C++. Inspired by Keras.

   github.com/avramdj/minimal-fcnn-library

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

  Bot for a chat application (Discord) which helps any user track any web page for changes. Originally developed to help classmates track professors static web pages, currently being rewriten with Selenium and MySQL for more general purpose usage.

   github.com/avramdj/discord-bot-rezultati

○ **Blockchain protocol implementation** (Java)

  Distributed blockchain based transaction system. Work in progress.

   github.com/avramdj/blockchain-protocol-implementation