



Elbakyan Shirak

Skills

- C/C++, understanding of OOP principles, knowledge of basic algorithms and data structures, using standard libraries
- Working with Git, basic commands
- Python in the process of learning, can read codes
- Knowledge of the OS internal organization, knowledge of Linux (Ubuntu as desktop system), confident work with the terminal
- Understanding of hardware: I assembled computers, set up a working environment, networks, office equipment
- Knowledge of networks, OSI, tcp/ip, http
- Knowledge of the principles of Agile development methodology
- English B2 looking forward to learn
- Armenian A2, looking forward to learn
- Disciplined: able to evaluate labor costs, allocate time, maintain self-performance
- Able to self-educate
- Easily find a common language in team

Experience

At the university, I studied computer science disciplines: networks, programming, database, administration, computational methods of information systems, CIS, information security, etc. In addition, there were lessons on process optimization and decision making, system engineering. During training, I solved problems in C, C++, SQL, built IDEF, UML diagrams. As part of my coursework, I solved some tasks on automation and electronic document management in C ++ or C # using databases, and also developed a kind of CRM system. In my thesis work, I developed a design solution for automating a set of tasks for the logistics subsystem of the ACS of a large organization. At the moment I am studying at the school of Computer Science "Ecole 42" in Yerevan.

There is a small project on Git for solving the skyscraper-puzzle (link is clickable) in C with a Makefile and comments on the functions. I applied the brute force method - a simple enumeration of Latin matrices with a check of the conditions of the resulting board. After generation, the matrices themselves are cunningly checked for the absence of repetitions of numbers in rows and columns - using a bitwise shift and subsequent verification of the resulting binary number. Now I want to write Unit tests for this problem, I also plan to upload the solution of the N-queen problem in C++ and in my educational aim is to write a Telegram bot in Python.

Education

**MOSCOW STATE
UNIVERSITY OF CIVIL
ENGINEERING**

2018 - 2022

Information Systems and
Technologies, Bachelor
Institute of Digital Technologies
and Modeling in Construction

Contacts

GitHub: github.com/Elshirak
Telegram: [@elshirak](https://t.me/elshirak)
Phone: +374 98 581 997
LinkedIn: [shirak-elbakyan](https://www.linkedin.com/in/shirak-elbakyan)
Email: el.shirak@internet.ru