

Mateescu Viorel-Cristian

Software Engineer

Personal Info

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GitHub
<https://github.com/vioo-bkp>

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Website
<https://vioo-bkp.github.io/>

Skills

C / C++	★★★★★
Python	★★★★★
Data Structures	★★★★★
HTML5 / CSS	★★★★★
Java	★★★★★
Programming in Haskell	★★★★★
Matlab / Simulink	★★★★★
Collaboration	★★★★★
Teamwork	★★★★★
Communication	★★★★★
Adaptability	★★★★★
Git	★★★★★

My experience includes over two years of providing a good organization of data as well as the management of ideas through code in a programming language on a team. I was given the responsibility of managing payroll and inputting inventory information into the computer system. As a student, I have participated in numerous conferences organized by major IT industries, such as Microsoft, Google, Ubisoft, Amazon, Origin. My personal experience, in view of the programming languages are: C / C++, Python, Java / Javascript and HTML. All this used in various personal projects (websites), as well as homework from the University. Personal strengths include excellent verbal and written communication skills (bilingual in English/French), independent working habits, customer service skills, and punctuality. I would appreciate the opportunity to further discuss this position and my qualifications at your convenience. Thank you!

Education

2014-09 - 2019-06	"Iancu C. Vissarion" High School, Real profile, Mathematics - Informatics, Titu, Romania <i>Graduate, Mathematics - Informatics</i>
2019-10 - present	Polytechnic University of Bucharest, Faculty of Automatic Control and Computers, specialization CTI (Computer Science and Information Technology) , Bucharest <i>Student, Software Engineer</i>

Volunteering

2017-10 - 2018-07	Volunteer within SNAC ("National Strategy for Community Action, Dâmbovița County) • Certificate of Activity as a "Volunteer";
2019-11	League of Automatic & Computers Students • Former member of LSAC (League of Automatic & Computers Students), HR branch, Degree in Psychology and Education;

Projects (More on Github)

TCP and UDP client-server application for message management
Communication protocols homework

The desired functionality is for each TCP client to receive messages from the server (coming from UDP clients) that refer to the topics to which they are subscribed.

The application will also include a SF (store-and-forward) functionality regarding the messages sent when TCP clients are disconnected.

IPv4 Addressing
Computer Programming homework

Systematization of the notions of IP address, network mask, network address and broadcast address.

The IP address ensures the connectivity of the equipment (computers, telephones, routers, servers, etc.) in the network / Internet.

Languages

English ★★★★★

French ★★★★★

Hobby

Music

Sport

Coding

Travels

Teamwork

Video Games

aRS PoEtiCa

Computer Programming homework

- Use string handling functions.
- Formatting a text and processing according to given rules.
- Parsing the commands received at input and getting acquainted with interactive consoles.
- Using functions in external libraries.

Image processing

Computer Programming homework

A computer program written in C that takes a BMP image and rotates, changes the dimensions and applies filters to it.

Printf

Introduction to assembly language (.asm) homework

Implement in the programming language C the function `int iocla_printf (const char * format,...)`, offering behavior similar to `printf` from the standard C library.

Minimal Browser

Data Structures homework

- Tabs and navigation
- Local tab history and browser history
- Downloads

DataBase

Data Structures homework

- Data definition
- Data query
- Data manipulation

Auction House Manager

OOP homework

A Java program that manages auctions and the communication between clients and auction house through brokers.

Awards

Certificate of Linguistic Competence, French Language

- Offered by the Theoretical High School "Iancu C. Vissarion" in May 2019, certifying the average level in French;
- Coordinating teacher: Marie Madeleine

2nd place, "PHI" National Physics Competition (Iași, 2019)

- "Alexandru Ioan Cuza" University of Iași, Faculty of Physics;
- Coordinating teacher: Nuță Florin

Vice President of the Student Council Association (High School, 2019)

- Organizing events in the festivities hall for new graduates