ALEXANDRU ANDREW

PYTHON SOFTWARE DEVELOPER
MANJARO LINUX USER

ABOUT

```
I <3 [
   tech,
   python,
   software,
   people
]
```

PROFESSIONAL SUMMARY

I am a **dedicated** and **passionated** python developer and linux user with **many completed projects** in my portfolio. I am looking for a full-time position where I can expand my skills and help people.

KEY STRENGTHS

I am very **skilled** at dealing with **high pressure situations**, dealing with **new concepts** and **project management**.

GET IN TOUCH

```
{
   mobile: +40770924018
   email: alexxander18360@gmail.com
   website: alexzander.tech
   github:
   https://github.com/alexzanderr
   linkedin:
   https://www.linkedin.com/in/andrew-
   alexandru-3b2b70194/
   address: Bucharest, Romania
} (yes, this is a JSON)
```

PREVIOUS EDUCATION

[2020 - 2021] FACULTY OF CYBERNETICS, STATISTICS AND ECONOMIC INFORMATICS, ACADEMY OF ECONOMIC STUDIES, BUCHAREST

Bachelor of Economic Informatics

```
- Studied the whole year in Enlgish
- Learned: [
   economics, statistics, operations research, information
   technology, algebra and programming (in C language)
]
- Improved at English a lot
```

[2019 - 2020] FACULTY OF MATHEMATICS AND COMPUTER SCIENCE, UNIVERSITY OF BUCHAREST

Bachelor of Computer Science

```
- Learned: [
   python programming language, mathematical analysis, algebra,
   linear algebra and geometry
]
```

[2015 - 2019] "MIHAI VITEAZUL" NATIONAL COLLEGE, BUCHAREST

Bacalaureat of Computer Science

```
- Learned: [
   adaptation skills in every branch of science, how to integrate
   society, math, programming, economy and project management
]
```

SKILLS

- Python
- JavaScript
- Linux/Unix
- Windows
- MacOS
- Office
- BIOS Settings
- Installing New OS
- Disk Partitioning
- Git Version Control
- Communication
- Project Management
- Problem Solving
- Adaptability
- Excel
- HTML
- CSS
- C
- SQL/NoSQL
- Time Management
- Java
- C#
- English (Almost Fluent)
- C++

COURSES

[2019] PYTHON FUNDAMENTALS, INFOACADEMY, BUCHAREST

- variables
- packages
- if statements
- while and for loop statements
- tuples, lists, sets, dictionaries
- functions
- OOP
- databases (SQL, MySQL)
- exceptions
- executable files from python
- inheritance and polymorphism
- special methods (__init__ and __str__)
- private and public attributes
- read and write from files
- create custom modules and packages
- use built-in modules
- regular expressions
- telnet, ftp, ntp, web servers, smtp
- charts
- data science

visualize diploma here: [**Python Fundamentals**]

[2018] JAVA FUNDAMENTALS, INFOACADEMY, BUCHAREST

- variables
- packages
- if statements
- while and for loop statements
- arrays, collections
- functions
- OOP
- exceptions
- inheritance and polymorphism
- private and public attributes
- read and write from files
- use built-in packages

[2016] C++ FUNDAMENTALS, INFOACADEMY, BUCHAREST

- variables
- if statements
- while and for loop statements
- arrays, maps, hashmaps, vectors, strings
- functions
- OOP
- exceptions
- templates
- inheritance and polymorphism
- private and public attributes
- read and write from files
- use built-in libraries
- use header files for declaring data types and function prototypes
- pointers and references
- dynamic memory allocation

visualize diploma here: [**C++ Fundamentals**]

[2018] PROJECT MANAGEMENT, EXEC-EDU MANAGEMENT ACADEMY

- time management
- resources management
- plan management
- cost management
- workers management
- competition management

visualize diploma here: [**Project Management**]

EXPERIENCE AS DEVELOPER / PROJECTS

- You can visualize **everything** here: [
  Github

  or

  Here
  ]

-- TOP PROJECTS --

• BACKUP SOFTWARE

A main python file which runs as a daemon and every 24 hours looks for files that have modification time less than 24 hours and puts then into a queued file list which then is prepared for transfer. The files are zipped to .tar.gz or .zip, depending on platform, and transfered to a remote server through pscp putty tool. If there are multiple remote servers available, the app selects the available ones and transfers the archived backup files to all servers at the same time using a thread pool executor.

- Source Code: **https://github.com/alexzanderr/python3/tree/master/BackupSoftware**

• CAPTAINS LOG

This one is inspired from **Final Space** Serial. When the main file is executed, the script is accessing the webcam and the microphone at the same time and records input with live datetime, username, video id and elapsed time on the screen until the user interrupts the process with Control+C. Why recording camera and audio with fancy text on live feed? Because maybe you want to log your thoughts or personal activity as futuristic movies do while traveling in space with their ships.

- Source Code: **https://github.com/alexzanderr/python3/tree/master/CaptainsLog**

• EBOOK READER

A simple command-line ebook reader with a key listener that helps you navigate through the pages using left or right arrow keys. It also has an option to mark the line where you left off. When you open the book it goes to the saved line.

- Source Code: **https://github.com/alexzanderr/python3/tree/master/eReader**

• PYTHON 2 EXECUTABLE

Its a command-line interface. Builds to binary an entire python project with all its dependencies, you just have to specify the main python file and the program handles the rest. The program first builds the project with pyinstaller, then moves the build files to a specified remote location, then generates and NSIS script, then compiles the NSIS script with make-nsis to create executable installer for the project. It also has history with projects you used.

- Source Code: **https://github.com/alexzanderr/python3/tree/master/Python2Executable**

• PYPI AUTO UPLOAD

Its a command-line interface. Automatically uploads to python package index website, it has history to remember choices of old used projects. You just have to specify the package folder and the program handles the rest. First, the program goes into the specified package folder, then generates all the required files (standard rules made by pypi.org) and then uploads to pypi using api auth credentials.

- Source Code: **https://github.com/alexzanderr/python3/tree/master/PyPIAutoUpload**

CODING COMPETITIONS

[2019] GOOGLE HASHCODE, BUCHAREST

I participated in a team of 4 people in order to complete the problem requirements sent by Google. We were given a library management system problem, where we needed to sort and use efficient dynamic programming algorithms in order to solve the problem.

- **Problem Text**
- **Solution** Source Code: **https://github.com/alexzanderr/ProgrammingProblems/tree/master/other.instances/hashcode_event/today**

[2019] REPLY CODING COMPETITION, BUCHAREST

I participated in a team of 2 members to solve a programming problem. We had to manage real-time scoreboards and also use dynamic programming algorithms in order to be efficient.

- **Problem Text**
- **Solution** Source Code: **https://github.com/alexzanderr/ProgrammingProblems/tree/master/other.instances/reply_challenge**

THIS EMPTY SPACE WILL BE FILLED WITH LOVE AND MY FUTURE PROFESSIONAL EXPERIENCE

(THIS IS NOT A JOKE)