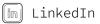
# Cosmin-Marian Voinopol

### I work to make things happen











#### **PROJECTS**

**SPOTIFY API INSIGHTS** | PYTHON - GOOGLE COLAB, SPOTIPY, PANDAS, SEABORN 2022

- → Used Spotipy library to query data from Spotify API
- → Extracted insights like popularity among sad vs. happy songs
- → Plotted statistics using Pandas + Seaborn

### **PERSONAL WEBSITE** | REACT - HTML + JAVASCRIPT | TAILWIND - CSS 2021-2022

- → Built a responsive website to showcase my work
  - → Used Figma to design layout + create vector icons
  - → Hosted using Firebase

### **COLLEGE COURSES (1ST YEAR)** | PYTHON, C, C++, BASH, ASSEMBLY (NASM)

2021-2022

- → Python Manage student assignments using CRUD operations + Undo
- → C Manage contest participants using CRUD operations + Undo & Dynamic memory allocation
- → C++ Manage travel offers using CRUD operations + Undo & GUI with Qt | Data structures and Graph algorithms implementations
- → Bash + C Regex + Scripting + Concurrent programming
- → NASM Assembly + C programming

#### ML COURSE @COURSERA | OCTAVE

2020-2021

- → Completed Machine Learning course taught by Andrew Ng from Stanford
- → Used Octave to implement various algorithms
- → Explored subjects like:
  - Regression(Linear + Logistic) SVMs Dimensionality reduction Neural Networks Practical examples with recommender systems + photo OCR

#### MIDI CONTROLLER REWRITTEN | PYTHON

2020

- → Used Python to rewrite Minilab Mk2 functionality inside Ableton Live DAW
- → Reverse-engineered code to understand Sysex messages
- → Used Ableton API to modify + implement functionality
- → Almost 6000 views + tens of downloads on forum post | 11 stars on Github

### TRIVIA BOT + CAPTCHA SOLVER | PYTHON - SELENIUM, OPENCV, TESSERACT-OCR 2018

- → Used Selenium to automate tasks like logins, reading + answering trivia questions etc.
- → Used OpenCV to pre-process Captcha images
- → Used Tesseract-OCR to solve captcha using processed images

#### **SKILLS**

#### **PROGRAMMING**

Good with:

Python • C • C++

Familiar:

HTML • CSS • SQL • Shell • Assembly (NASM) • Octave

#### TOOLS/PLATFORMS

VSCode • Git • Google Colab • WSL

#### **EDUCATION**

# "BABES-BOLYAI" UNIVERSITY

BACHELOR'S IN COMPUTER SCIENCE Sep 2021 - Present Cluj-Napoca, Cluj, Romania

# "ZINCA GOLESCU" NATIONAL COLLEGE

BACCALAUREATE DIPLOMA Sep 2017 - June 2021 Pitesti, Arges, Romania

#### **MISCELLANEOUS**

Romanian - Native English - C2 Cambridge Assessment

- Organized
- Calm
- · Tinkerer at heart
- Communication is key