Bojici Valentin-Gabriel

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EDUCATION

Bsc. Computer Science   **University of Bucharest**   **2020 − 2023**

- BSc. in Computer Science at the Faculty of Mathematics and Computer Science — final grade of 9.5 out of 10.
- Relevant courses: • *Object Oriented Programming* (C++) • *Data Structures and Algoritmhs* • *Web Developement* (PHP) • *Databases* (SQL, PL/SQL) • *Computer Graphics* (OpenGL, C++) • *Machine Learning* (supervised learning) • *Security of Information Systems* (cryptography, exploits)

Zero-to-Hero - Deep Learning for Computer Vision Summer School   **11-15 July 2023**

- Completed a 5 day Google Summer School (DigitalStack) where I acquired knowledge in state-of-the-art computer vision techniques.
- Obtained 2nd place out of 11 teams in a computer vision Kaggle competition.

EMPLOYMENT

Backend PHP Developer, Intern   **Tremend Software Consulting**   **July 2022 - September 2022**

- Successfully made a favorable impression during the internship, resulting in a job offer which I chose to decline in favor of continuing studies.
- Gained valuable insights into team dynamics and Agile methodologies by actively participating in meetings with clients and team.
- Successfully completed intern-level assignments: investigating and resolving software bugs, optimizing per- formance by compressing images, and enhancing API responses.
- Utilized the Magento framework and gained experience with other frameworks like Laravel and Symphony through personal side projects.

PROJECTS

Illumination Models Viewer   **github.com/valibojici/illumination-models**   **2023**

- BSc. Computer Graphics project — an interactive desktop app written in C++ using OpenGL showcasing different well-known real-time illumination models.
- Skills used: post-processing techniques(gamma correction and edge detection), object oriented programming (C++), linear algebra (for lighting & shadow calculations), integrating 3rd party libraries such as ImGui, OpenGL, GLFW.

Hillside Hotel   **github.com/valibojici/hillside-hotel**   **2023**

- Full-stack project made with NodeJS, Express, GraphQL, MySQL and React for a fictional hotel which allows users to make reservations.
- Skills used: containerizing the app with Docker, Stripe payment integration, managing state in a single-page-app, implementing and using a GraphQL API.

PoeticSwipe   **github.com/valibojici/PoeticSwipe**   **2023**

- Android app made using Flutter for discovering short poems by well known authors.
- Skills used: maintaining app level state (using *Provider* package), depedency injection (using *GetIt* package), implement mocks for resources (using *Mockito* package).

Arduino Snake Game   **github.com/valibojici/Snake-Arduino**   **2022**

- Implementation of the classic snake game on an Arduino UNO with an LCD display and an LED matrix.
- Skills used: prioritizing effective memory management given the hardware's memory limitations, effective use of limited LCD screen for displaying the menu, hardware integration.

LANGUAGES AND TECHNOLOGIES

- C++, C, Python, Dart, Javascript, SQL, HTML/CSS, PHP
- lutter, OpenGL, NodeJS, React, Express, GraphQL, Docker, Bootstrap, PyTorch, NumPy