Luka Živanović

Teaching Assistant @ Faculty of Mathematics, Belgrade,
Full Stack Developer

🏠 Belgrade, Serbia
✉ lukazivanovic@gmail.com
📞 +381 64 3444 963
🏛 www.math.rs/~luka_zivanovic
🌐 www.sprinklesoft.net/profile/Luka

Experience

Faculty of Mathematics, University of Belgrade
http://www.math.rs/

Oct. 2018 – present

Teaching assistant

Code by Comtrade
https://code.edu.rs/

Feb. 2019 – Aug. 2019

Teacher

LiveKeys (ex. LiveCV)
http://livecv.dinusv.com/

Sep. 2018 – Apr. 2019

Web developer

Education

Master studies
Faculty of Mathematics, University of Belgrade

2017 – present

Bachelor of science in informatics
Faculty of Mathematics, University of Belgrade

2014 - 2017

Projects

Fourier transformation visualization

https://github.com/ZivanovicLuka/FourierTransformationVisualization

2018

Web application for a faculty course that shows how Fourier transformation (aproximation) is generetd visually.

Implemented in javascript (ES6) and pixi.js

Game of Life FP

2019

Team project (2 members) for a faculty course. Game of Life built in functional style using meta programming techniques.

Implemented in C++

Libraries: SFML, range-v3

Bank Keyboard

2019

Team project (2 members) for an international bank. Keyboard that allows user to send money by clicking one button and following a short form. Different designs for Android and iOS, all packed in Xamarin application with banks mBanking application.

Implemented in Xamarin

DIG

2014 - 2017

Complete CMS, web design and testing for a clothing store named DIG. The website contains a cart system, dynamic content that the store's staff can create, edit or delete, and a system for managing orders and sales. This is my first website.

Frontend: HTML5/CSS3, jQuery

Backend: PHP, MySQL

Testing: CasperJS

Collynx

2017

Team project (4 members) for a faculty course. People can collaborate and explain their ideas easily by drawing on a shared board. Users can elaborate on an existing picture, pdf, presentation, therefore it is also useful offline for presentations and teaching since it allows the user to draw over other running programs. Application was developed using pair programming technique mostly. My focus was on custom shapes, GUI, brush settings, collecting data from backend and storing it on client device.

Frontend: Qt, C++

Backend: Python

Glide Through Sky

2017

Glide Through Sky is a game inspired by Flappy Bird. The player constantly goes forward while being able to jump and dash. The player spends mana for dashing which he recovers by beating enemies and collecting crystals. The goal is to pass as many obstacles as possible. My focus was to develop a low polygon game for lower spec PCs, that keeps consistent and polished aesthetics by randomly generating matching colors and animating game objects smoothly.

Implemented in C, OpenGL, GLUT

Awards

MatHack

Faculty of Mathematics, Belgrade 2nd place

May 2018

Trajectory generation using machine learning

Deep Web Hackathon

Brasidas, Belgrade 2nd place

Apr. 2017

Website analysis (Regular and deep/dark web)

Beyond Hackathon

Eurobank, Athens 2nd place (of 38 teams)

Mar. 2017

Eurobank voice assistant

Skills

Programming Languages

JavaScript   C/C++

C#   Python

Java   SQL   PHP

HTML/CSS

Libraries and Frameworks

ReactJS

Bootstrap

Xamarin   Qt

Keras   OpenGL

OS and Tools

macOS   Linux

Windows   Git

Photoshop

Additional

Languages

Serbian   English

Hobbies

Powerlifting   Skateboarding

Mountain Biking   Gaming